

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

1 protein - protein search, using sw model

on on: December 3, 2003, 07:21:37 ; Search time 29.3726 Seconds
(without alignments)
1078.927 Million cell updates/sec

itle: US-09-913-955A-1
arfact score: 3958
equence: 1 MEATGSSVETGKXNRGTR.....AFNCPNNTVMRGNDSCRLW 749

oring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

sarched: 328717 seqs, 42310858 residues

otal number of hits satisfying chosen parameters: 328717

inimum DB seq length: 0
aximum DB seq length: 2000000000

ost-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

atabase : Issued Patents, AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pdp:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pdp:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pdp:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pdp:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pdp:*
6: /cgn2_6/ptodata/1/iaa/backfiles.pdp:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1373	34.7	742	4	US-09-704-611-2
2	1368.5	34.6	765	4	US-09-704-611-1
3	1257	31.8	703	3	US-08-646-273-25
4	1257	31.8	753	3	US-08-646-273-36
5	1248.5	31.5	758	1	US-08-289-112-2
6	1241.5	31.4	708	3	US-08-646-273-30
7	1241.5	31.4	754	3	US-08-646-273-30
8	1222.5	30.9	765	4	US-08-819-989-4
9	1221	30.8	811	4	US-09-819-989-2
10	1221	30.8	883	4	US-09-667-373-4
11	1184	29.9	787	1	US-08-574-763-2
12	983.5	24.8	775	3	US-09-305-640-2
13	983.5	24.3	567	3	US-08-646-273-19
14	790	20.0	690	4	US-09-328-352-5182
15	527.5	13.3	189	3	US-08-646-273-14
16	501	12.7	590	4	US-09-107-532A-4682
17	470.5	11.9	632	4	US-09-634-238-249
18	246	6.2	181	3	US-09-305-640-4
19	119	3.0	1016	4	US-09-625-972-24
20	116	2.9	725	2	US-08-813-940-25
21	114.5	2.9	990	2	US-08-392-625-20
22	114.5	2.9	990	2	US-08-466-961A-20
23	114.5	2.9	990	2	US-08-645-193B-15
24	112	2.8	722	4	US-09-252-991A-17407
25	111.5	2.8	1056	4	US-09-394-272-1
26	108	2.7	681	2	US-08-655-345-4
27	108	2.7	681	3	US-08-183-275-4

ALIGNMENTS

RESULT 1

US-09-704-611-2
; Sequence 2, Application US/09704611
; Patent No. 6548284

; GENERAL INFORMATION:
; APPLICANT: JCR Pharmaceuticals Co., Ltd.

; TITLE OF INVENTION: Membrane-bound Metalloprotease and Soluble Secreted Form Thereof

; FILE REFERENCE: GP30

; CURRENT APPLICATION NUMBER: US/09/704,611

; CURRENT FILING DATE: 2000-11-03

; NUMBER OF SEQ ID NOS: 9

; SEQ ID NO 2

; LENGTH: 742

; TYPE: PRT

; ORGANISM: Mus musculus

US-09-704-611-2

Query Match 34.7%; Score 1373; DB 4; Length 742;

Best Local Similarity 38.7%; Pred. No. 2.8e-126;

Matches 290; Conservative 149; Mismatches 267; Indels 44; Gaps 17;

Qy	18	GTRIALVVFVGGTILVLTILFLVSQGLLSLQAQVEYCLKPECIEAAAILSKVNLSDPC	77
Db	19	GLMVLLLLGAVITLGV---FYSIALRSSLSKSDICTTSPCVIAAAILENMQSRNPC	75
Qy	78	DNFRFACDQWISNNIPEDMPSGYVFWLHNVDLKLELKSISRRDRTAIQAKI	137
Db	76	ENFYQACGGWLRHHVVPETNSYSVFDILRDEVLKGVLEDS--SQHR--PAVEKAKT	133
Qy	138	LYSSCMNERAKAEKADAKPLIHILRHSPFRWPVLESNIGPEGVWSE---KFSLLQTLATF	194
Db	134	LYRSCMNQSVIEKDESEPLLSVLK-WVGWPPVALDK-----WNETMGLKWELEQLAVL	186
Qy	195	RGQYSNVFIRLVSPDDKASNEHLKLDQATLSLAVREDYLDNSTEAKSYRDALYKFMV	254
Db	187	NSQFNRRVLIDFLIMNDQNSRRHVIVDQPTLGMPRSREYVFOEDNNHK--VRKAYPEFMT	245
Qy	255	DTAVL-----LCANSSRAEHDMSVLRLEIKIAETIMIPHENRTS--EAMYNKNISLSA	307
Db	246	SVATMLRKQONLSKESAMVREEMAEVLETHLANATVQEKRHVDVTLVHRMDLMELQE	305
Qy	308	M--IPOFQWLGYYTKV---IDRLYPLHKDIPSENWVVRVPOYFKDLFRILGSRKRTI	362
Db	306	RFLGKGFNTLFTQNLVSSVEVELF-----PDEWVYVYIPYLENLEIDIDSYSARTM	358
Qy	363	ANYLVVRMYVSRIPNLSSRRFOYRWLEFSVIOGTTLLPQWDKCNVFIISALPYVYVGMF	422
Db	359	QNVLVRLVLDRLGSLQSRFKARVDYRKALYGTTFVEVRWRECVSYVNNMESAVGSSY	418
Qy	423	VDVYFOEDKEMMEELVEGVVRWAFIDMLEKENWMDAGTKRKAKAKARAVLAKVGYPEFI	482

b 419 IKRAFSKOSKTVRELIEKIRSVFVDNLDLW-NDDESKKAKAKANNIREQIGYDPI 477
 y 483 M--NDTHVNEDLKAIFSEADYFGNVLQTRKYLAQSDFFWLKAVPKTETWETNPTTVNAF 540
 b 478 LEDNNKHLDEEYSSLTFFEDLYFENGLOLKNNAQKSLKREKVDQNLWIIAAVNAF 537
 y 541 YSASTNOIRFPAGELQKPFPGTETPRSLSYCAIGVIVGHEBTHGFDNNGKRYDNGNLD 600
 b 538 YSPNRNQIVFPAGIQQPFF-SKDPQSLNFGGIGWIGVIGHEITHGFDNNGKRYDNGNLD 596
 y 601 PWMSTSEEEKFKETKCMINOYNYWKKKA-GLNVKGRKTLGENTADNGGKREAFRAYRK 659
 b 597 DWSNFSARHFOQSQOCHMIYQYGNFSEWELADNQNNGVNGFSSGENIADNGGKRYQAYKAYLR 656
 y 660 WINDRRQGLEEPLLPGLITFTNNQFLSYAHVRCNSYRPEAAREQVIGASPPQFRVNG 719
 b 657 WLAD--GGKQRLPGLNLTYAQLEFFINVAQVWCGSYRPEFAVQSIKTDVHSPKRYVLG 713
 y 720 AINSSEEFKAFNCPNPMNMGDSCRLW 749
 b 714 SLQNLPGFSEAFHCPRGSPMH-PMKRCRIW 742

RESULT 2

S-09-704-611-1
 Sequence 1, Application US/09704611
 Patent No. 6548284
 GENERAL INFORMATION:
 APPLICANT: JCR Pharmaceuticals Co., Ltd.
 TITLE OF INVENTION: Membrane-bound Metalloprotease and Soluble Secreted Form Thereof
 FILE REFERENCE: Gp30
 CURRENT APPLICATION NUMBER: US/09/704,611
 CURRENT FILING DATE: 2000-11-03
 NUMBER OF SEQ ID NOS: 9
 SEQ ID NO 1
 LENGTH: 765
 TYPE: PRT
 ORGANISM: Mus musculus
 S-09-704-611-1

Query Match 34.6%; Score 1368.5; DB 4; Length 765;
 Best Local Similarity 38.7%; Pred. No. 8.3e-126;
 Matches 294; Conservative 148; Mismatches 267; Indels 51; Gaps 18;
 y 18 GTRIALVFP--VGTLVLGTLIF-----LVSGQLLSLOAKQBYCLKPCIEAAAAAIL 67
 b 29 GAIVTLGVFYSIGKQLPLTSLHFSWDETVVKRALRDSLSKSDICTTPSCVIAAARIL 88
 y 68 SKVNLSDPDCNFFRACDGVISNPIPEDMPSYGVYVWLRHNVDLKLEKLSISRR 127
 c 89 ENMDOSRNPCEFYQYACGWLRRHVIPETNSRYSVFDILDEVLKGVLEDSSTOHR 148
 y 128 DTEATQKALYSSCMNEKAIEKADAPLLHLIRHSPFRWPVLESNIGPEGVWSE--K 184
 c 149 --PAVEKATLYRSCMNQSVIEKROSEPLLSVLK--WVGWGPVALDK-----WNETMGLK 199
 y 185 FSLLOTLATFRQYNSVFIKLVSPDKASNEHTLKLDQATLSLAVREDYLDNSTEAKS 244
 c 200 WELERQLAVLSQFNRRVLIDFVNDQNSRHHVYIDQTLGMPREYFYQEDNNHK- 258
 y 245 YRDALYKFMVDTAVL-----LGANSSRAEDHMKSVLRLEIKIABIMIPHENRTS-EMAY 297
 c 259 VRKAYPEMTSVATMLRKDQNLKESAMVRBEMAEVLETHLANATVPQKRHDVTALY 318
 y 298 NKNMISELSAM--IPQFPLGVYIKV---IDRLYPLHLKDISPENVVVVPQFKDLFR 352
 c 319 HRMDLMEQERFGLGFWNTLFIQNLVSSVELF-----PDEVVVYVGIPLYENLED 371
 y 353 ILGSRKXTIANLYWRMYVRIPIPNLSRRFYRWLEFISRVIGQGTITLLPQWDKCVNFES 412
 c 372 IIDSYSARTMQNLYLWRLVDRLIGLSQRFKEARVDYRKALYGITVBEVRVRECVSYNS 431

Qy 413 ALPVYVGKMFVDYVQDDKXEMMEELVEGVWAFIDMLEKENWMDAGTKRKAKKARAV 472
 Db 432 NMESAVGSIKRAFSKOSKSTYRELIEKIRSVFVDNLDLW-NDDESKKAKAKANNIREQIGYDPI 490
 Qy 473 LAKVGYBEFIM--NDTHVNEDLKAIFSEADYFGNVLQTRKYLAQSDFFWLKAVPKTETW 530
 Db 491 REQIGYDYLLEDNNKHLDEEYSSLTFFEDLYFENGLOLKNNAQKSLKREKVDQNLW 550
 Qy 531 FTNPTTVNAYSASTNOIRFPAGELQKPFPGTETPRSLSYCAIGVIVGHEBTHGFDNNG 590
 Db 551 IIGAANVAFYSPNRNQIVFPAGIQQPFF-SKDPQSLNFGGIGWIGVIGHEITHGFDNNG 609
 Qy 591 RKYDXGNLDPWSTSEEEKFKETKCMINOYNYWKKKA-GLNVKGRKTLGENTADNGG 649
 Db 610 RNFDXGNLDMWNSFARHFOQSQOCHMIYQYGNFSEWELADNQNNGVNGFSSGENIADNGG 669
 Qy 650 LREAFRAYRKWINDRRQGLEEPLLPGLITFTNNQFLSYAHVRCNSYRPEAAREQVIG 709
 Db 670 VRQAYKAYLRWAD--GGKQRLPGLNLTYAQLEFFINVAQVWCGSYRPEFAVQSIKTDV 726
 Qy 710 HSPPOFRVNGAISNSEEFKAFNCPNPMNMGDSCRLW 749
 Db 727 HSPUKYRVLSLQNLPGFSEAFHCPRGSPMH-PMKRCRIW 765

RESULT 3

US-08-646-273-25
 Sequence 25, Application US/08646273
 Patent No. 6068502
 GENERAL INFORMATION:
 APPLICANT: Kroeger, Burkhard, Seulberger, Harald, Meyer, Thomas, Schmidt,
 TITLE OF INVENTION: Martin, Jacob, Elard, Otter, Rainer, Subkowski, Thomas, Hillen, Heinz.
 TITLE OF INVENTION: Endothelin Converting Enzyme (ECE).
 NUMBER OF SEQUENCES: 36
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Keil & Weinkauff
 STREET: 1101 Connecticut Avenue
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20036
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.5 inch, 1.4 Mb storage
 COMPUTER: IBM AT-compatible, 80486 processor
 OPERATING SYSTEM: MS-DOS version 6.0
 SOFTWARE: WordPerfect version 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/646,273
 FILING DATE: 16-NOV-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/EP94/03706
 FILING DATE: 11-NOV-1994
 INFORMATION FOR SEQ ID NO: 25:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 703 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-646-273-25

Query Match 31.8%; Score 1257; DB 3; Length 703;
 Best Local Similarity 37.6%; Pred. No. 7.4e-115;
 Matches 281; Conservative 126; Mismatches 276; Indels 64; Gaps 21;
 Qy 21 IALVVFVGGTFLVLTGTLFVLSQGLLSLOAKQBYCLKPCIEAAAAAILSKVNLSDPDCN 80
 Db 3 WLWLVL---LAAGLVACLAALGIQYQTRSPSVCLSEACVSVTSSILSSMDPIVDFCHDF 58
 Qy 81 FRACDGVISNPIPEDMPSYGVYVWLRHNVDLKLEKLSISRRDTEATQKALIS 140
 Db 59 FSYACGGMKANPVPDGHRSRWGTFSNLWEHNOAIKHLLENSTA--SVSEAEKKAQVYR 116

```

141 SCNKAIEKADAKAPLLHLRHSPFPWPVLESIGPEGVMSERKFSLLQTLATFRQVSN 200
117 ACNNEIRIEELRAKPLMEIERLG-GWNI-----TGPWAKDNFQ--DTLQVVTAAHYRT 166
201 SVFIRLVSPDDKASNEHILKLDQATLSLAVREDYLDNSTEAKSYRDALYKFMVDVAVLL 260
167 SPFSVYVSADSKNSNSVIOVDQSLGSPSDYLL-NKTENEKVLGTLYNVMVQLGKLL 225
261 GANSSRA-EHDMKSVLRLEIKIAIMIPHENTSEAM-YNKNISLSAMIPQFDWLGVI 318
226 GGGDEEAIROPQOQILDFETALANITIPQEKRRDELIYHKVTAELQTLAPAINWLPF- 284
319 KKVIDTRLYPHLKDISPENVVVVPQYFKDLFRILGSRKKTIANVLRVWVYSIPNL 378
285 ---LNTIFYP--VEINSEPIVVDKYLEQISTLINTDRCLNNYIMVNLVKTSSFL 339
379 SRRFYRWLEFSRVIQGT-TTLLPQWDKCNFIESALPYVVGKMFVDVYFQEDKEMMEE 437
340 DORFQDADEKFMVYGTGKTCLPRKFCVSDTENNLFALGPMFVKATFAEDSKSIATE 399
438 LVEGVWAFIDMLEKENEMWDAGTKRKAKERAVLAKVGYPEFIM-----NDTHV 488
400 ILEIKKAFESL-STLKNWDEETRKSAKADAIYNNMIGYENFMDPKELQVFNHYTA 458
489 NEDLKAIFSEADYFGNVLTQRYLAQSDFFW-----LRKAVPKTEWFTNPTTVNAFYS 542
459 VPDL-----YFENAMRF-----FNFSWRVTADQLRKAPNRDQWSMTPPMVNAYS 503
543 ASTNQIRFPAGELQKPFWGTETPRSLSYGAIGVIVGHEFTHGFDNNGRKYDKNGLDPW 602
504 PTKNEIVFPAGILQAPFYTRSS-PKALNFGGIGVVVGHELTAFDQDQGREYDKGNLRPW 562
603 WTESEKEKFKTKCMINQYNSYWKAGLVNKGKRTLGENIADNGGLREAFRAYRKWIN 662
563 WKNSSVEAFKQTECMVEQYSNY--SVNGEPVNGRHTLGENIADNGGLKAARAYQNWV- 619
663 DRROGLEBPLPGITFTNNQLFSLVAHVRCNSYRPEAAEQVQIGAHSPPOFRVNGAIS 722
620 -KNGAEHS-LPTLGLTNNQLFELGFAQVWCVSRTPRESSHEGLITDPHSPSRFRVIGLS 677
723 NSEEFQKAFNCPNNTMNRGMDSCRLW 749
678 NSKEFSEHFRCPGSPMN-PPHKCEVW 703

```

RESULT 4

S-08-646-273-36

Sequence 36, Application US/08646273

Patent No. 6066502

GENERAL INFORMATION:

APPLICANT: Kroeger, Burkhard, Seulberger, Harald, Meyer, Thomas, Schmidt,
 TITLE OF INVENTION: Endothelin Converting Enzyme (ECE).
 NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

ADDRESSEE: Keil & Weinkauff

STREET: 1101 Connecticut Avenue

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20036

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.5 inch, 1.4 Mb storage

COMPUTER: IBM AT-compatible, 80486 processor

OPERATING SYSTEM: MS-DOS version 6.0

SOFTWARE: WordPerfect version 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/646,273

FILING DATE: 16-NOV-1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/EP94/03706

FILING DATE: 11-NOV-1994
 INFORMATION FOR SEQ ID NO: 36:

SEQUENCE CHARACTERISTICS:

LENGTH: 753 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-646-273-36

Query Match

Best Local Similarity 31.8%; Score 1257; DB 3; Length 753;

Matches 281; Conservative 126; Mismatches 276; Indels 64; Gaps 21;

QY 21 IALVVFVCGTILVLTILFLVSQGLLSLOAKQYCLKPECIEAAAAAILSKVNLSDPCDNF 80
 DB 53 VLVVVL-----LAAGLVACLAALGIGYQTRSPSVCLSEACSVTSILSSMPTDVPCHDF 108
 QY 81 FRFACDGMISNNPIPEDMPSYGVYPWLRHNVDLKLKELLEKSISSRRRDETEIAIKAKILYS 140
 DB 109 FSYACGGMKANPVDGHSRWGTFENLWEHQAIIKHLENSTA--SVSEAEKAAQVYVR 166
 QY 141 SCNKAIEKADAKAPLLHLRHSPFPWPVLESIGPEGVMSERKFSLLQTLATFRQVSN 200
 DB 167 ACNNEIRIEELRAKPLMEIERLG-GWNI-----TGPWAKDNFQ--DTLQVVTAAHYRT 216
 QY 201 SVFIRLVSPDDKASNEHILKLDQATLSLAVREDYLDNSTEAKSYRDALYKFMVDVAVLL 260
 DB 217 SPFSVYVSADSKNSNSVIOVDQSLGSPSDYLL-NKTENEKVLGTLYNVMVQLGKLL 275
 QY 261 GANSSRA-EHDMKSVLRLEIKIAIMIPHENTSEAM-YNKNISLSAMIPQFDWLGVI 318
 DB 276 GGGDEEAIROPQOQILDFETALANITIPQEKRRDELIYHKVTAELQTLAPAINWLPF- 334
 QY 319 KKVIDTRLYPHLKDISPENVVVVPQYFKDLFRILGSRKKTIANVLRVWVYSIPNL 378
 DB 335 ---LNTIFYP--VEINSEPIVVDKYLEQISTLINTDRCLNNYIMVNLVKTSSFL 389
 QY 379 SRRFYRWLEFSRVIQGT-TTLLPQWDKCNFIESALPYVVGKMFVDVYFQEDKEMMEE 437
 DB 390 DORFQDADEKFMVYGTGKTCLPRKFCVSDTENNLFALGPMFVKATFAEDSKSIATE 449
 QY 438 LVEGVWAFIDMLEKENEMWDAGTKRKAKERAVLAKVGYPEFIM-----NDTHV 488
 DB 450 ILEIKKAFESL-STLKNWDEETRKSAKADAIYNNMIGYENFMDPKELQVFNHYTA 508
 QY 489 NEDLKAIFSEADYFGNVLTQRYLAQSDFFW-----LRKAVPKTEWFTNPTTVNAFYS 542
 DB 509 VPDL-----YFENAMRF-----FNFSWRVTADQLRKAPNRDQWSMTPPMVNAYS 553
 QY 543 ASTNQIRFPAGELQKPFWGTETPRSLSYGAIGVIVGHEFTHGFDNNGRKYDKNGLDPW 602
 DB 554 PTKNEIVFPAGILQAPFYTRSS-PKALNFGGIGVVVGHELTAFDQDQGREYDKGNLRPW 612
 QY 603 WTESEKEKFKTKCMINQYNSYWKAGLVNKGKRTLGENIADNGGLREAFRAYRKWIN 662
 DB 613 WKNSSVEAFKQTECMVEQYSNY--SVNGEPVNGRHTLGENIADNGGLKAARAYQNWV- 669
 QY 663 DRROGLEBPLPGITFTNNQLFSLVAHVRCNSYRPEAAEQVQIGAHSPPOFRVNGAIS 722
 DB 670 -KNGAEHS-LPTLGLTNNQLFELGFAQVWCVSRTPRESSHEGLITDPHSPSRFRVIGLS 727
 QY 723 NSEEFQKAFNCPNNTMNRGMDSCRLW 749
 DB 728 NSKEFSEHFRCPGSPMN-PPHKCEVW 753

RESULT 5

US-08-289-112-2

Sequence 2, Application US/08289112

Patent No. 568640

GENERAL INFORMATION:

APPLICANT: Yanagisawa, Masashi

TITLE OF INVENTION: Endothelin Converting Enzyme-1: A

; TITLE OF INVENTION: Membrane-Bound Metalloprotease That Catalyzes The
 ; TITLE OF INVENTION: Proteolytic Activation of Big Endothelin-1
 ; NUMBER OF SEQUENCES: 5
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Arnold, White & Durkee
 ; STREET: P.O. Box 4433
 ; CITY: Houston
 ; STATE: TX
 ; COUNTRY: USA
 ; ZIP: 77210-4433
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/289,112
 ; FILING DATE: 10-APR-1994
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Parker, David L.
 ; REGISTRATION NUMBER: 32,165
 ; REFERENCE/DOCKET NUMBER: UTSD:414/PAR
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 713-787-1400
 ; TELEFAX: 713-789-2679
 ; TELEX: 79-0924
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 758 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; JS-08-289-112-2

Query Match 31.5%; Score 1248.5; DB 1; Length 758;
 Best Local Similarity 37.9%; Pred. No. 5.8e-114;
 Matches 282; Conservative 121; Mismatches 281; Indels 61; Gaps 21;
 2y 23 LVVFGVGLVLTILFLVSGGLSLQAKQVEYCKPECIEAAAILSKVNLSDPCDNFR 82
 57 LVVLV-ALLAALVACLVGLIQYQTRTPSVCLSEGCISVTSSILSSMDPTVPCQDFT 115
 83 FACDGMISNNPIPEDMPSYGVYVPLRHNVDLKLKELLEKSISRRTDEAIQAKILYSSC 142
 116 YACGGWIKANPVPDCHSRWGTFSNLWEHNAIHKHLENSTA--SVSEAEKAAQVYRAC 173
 143 MNEKAIKADAKAPLLHLRHSPPRPVLESNIGPEGVMSERKESLQTLATFRGOYSNSV 202
 174 MNETRIELKAKPLMELIEKLG-GWNI-----TGPWCKDNFQ--DTLQVVTSHYHTSP 223
 203 FIRLYVSPDDKASNEHLKLDQATLSLAVREDYLDNSTEAKSYRDALYKFMVDTAVLLGA 262
 224 FFSVYVSADSKNSNVIOVDQSLGLPSRDYLL-NKTENEKVLGTGLNVMVQLKLG 282
 263 NS-SRAEDMKSVLRLEIKAEIMIPHENTSEAM-YNKNVISELSAMIPQFWLGYIKK 320
 283 GAEDTIRPQQQLDFTALANITIPQEKRDDELIYHKVTAELQTLAPAINLWLPF--- 339
 321 VIDTRLYPLHLKDIPSNVVRVPOVFKDLFRILGSRKKTIANLYLVRMVYSRIENLSR 380
 340 -LNTIFYP--VEINSESPVIYDKEYLSKYVTJNSTDKLLNMYLNLVRKTSFSDQ 396
 381 RFQVRWLEFSRVIGT--TTLLPQWDKWNFIEALPVVGVGMFVDVYFQDDKEMMEELV 439
 397 RFQDADEKFEVYGTGKTKCLPQWKFVCSVTENTLGLPAGFMFVKATFAEDSKNIASEII 456
 440 EGVRFWAFIDMLEKENENMWDAGTKRKAKEKARAVLAKVGYPEFIM-----NDTHVNE 490
 457 LEIKKAEESJ--STLKNWDETRKSAKEKADALYNNMIGYFNFMDFPKELDKVNDTAVP 515
 491 DLKAIKFESEADYFGNVLOTQRYLAQSDFFV-----LRKAVPTKTEPTTNTVNAFYSAS 544

Db 516 DL-----YFENAMRF-----FNFSWRVTDQLRKAPNRDQWMTTPMVNAYSPT 560
 Qy 545 TNQIRFAGELQKPFQWCTEYPRSLSYCAIGVIVGHEFTHGFDNNGRKYDKNGNLDPMWS 604
 Db 561 KNEIVFPAGILQAPFYTRSS-PNALNFGIGVVGHELTTHAFDDQGRYDKDGNLRPMWK 619
 Qy 605 TSESEKFEKTKCMINQYSNYWKAGLVNKGKRTGLGENIADNGGLRBAFRAYRWINDR 664
 Db 620 NSSVEAFKQACMVEQYGYN--SVNGEPVNGRHTLGENIADNGGLKAAAYQWV--K 675
 Qy 665 RQLEBPILLGITFTNNQLFSLYAHVRCNSYRPEAAEQVIGIAHSPQPRVNGAISNS 724
 Db 676 KNGAEQ-TLPTLGLTNNQLFLFSFGQVWCWRTPESSHEGLITDPHSPSRFRVIGSINS 734
 Qy 725 ERFQKAFNCPNNTMNRGWDSCRLW 749
 Db 735 KEFSEHFHCPCGSPWN-PHHKCEVW 758
 RESULT 6
 US-08-646-273-23
 ; Sequence 23, Application US/08646273
 ; Patent No. 6066502
 ; GENERAL INFORMATION:
 ; APPLICANT: Kroeger, Burkhard, Seulberger, Harald, Meyer, Thomas, Schmidt,
 ; APPLICANT: Martin, Jacob, Elard, Otter, Rainer, Subkowski, Thomas, Hillen, Heinz.
 ; TITLE OF INVENTION: Endothelin Converting Enzyme (ECE).
 ; NUMBER OF SEQUENCES: 36
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Keil & Weinkauff
 ; STREET: 1101 Connecticut Avenue
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: USA
 ; ZIP: 20036
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette, 3.5 inch, 1.4 Mb storage
 ; COMPUTER: IBM AT-compatible, 80486 processor
 ; OPERATING SYSTEM: MS-DOS version 6.0
 ; SOFTWARE: WordPerfect version 5.1
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/646,273
 ; FILING DATE: 16-NOV-1994
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/EP94/03706
 ; FILING DATE: 11-NOV-1994
 ; INFORMATION FOR SEQ ID NO: 23:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 708 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-646-273-23

Query Match 31.4%; Score 1241.5; DB 3; Length 708;
 Best Local Similarity 37.9%; Pred. No. 2.5e-113;
 Matches 282; Conservative 120; Mismatches 282; Indels 61; Gaps 21;
 Qy 23 LVVFGVGLVLTILFLVSGGLSLQAKQVEYCKPECIEAAAILSKVNLSDPCDNFR 82
 Db 7 LVVLV-ALLAALVACLVGLIQYQTRTPSVCLSEGCISVTSSILSSMDPTVPCQDFT 65
 Qy 83 FACDGMISNNPIPEDMPSYGVYVPLRHNVDLKLKELLEKSISRRTDEAIQAKILYSSC 142
 Db 66 YACGGWIKANPVPDCHSRWGTFSNLWEHNAIHKHLENSTA--SVSEAEKADQVYRAC 123
 Qy 143 MNEKAIKADAKAPLLHLRHSPPRPVLESNIGPEGVMSERKESLQTLATFRGOYSNSV 202
 Db 124 MNETRIELKAKPLMELIEKLG-GWNI-----TGPWCKDNFQ--DTLQVVTSHYHTSP 173
 Qy 203 FIRLYVSPDDKASNEHLKLDQATLSLAVREDYLDNSTEAKSYRDALYKFMVDTAVLLGA 262

Db 174 FFSVVSADSKNSNSNVIQVDSGLGPSRDYLL-NKTENEKVLTYLNYVMVQGLKGG 232

2y 263 NS-SRAEHDMSKVLRLKIAEIMIPHENSTSEAM-YNKMNISELSSAMIQDFWLGYIKK 320

Db 233 GAEDTIRPQWQILDFETALANITIPQEKRDDELIYHKVTAELQTLAPAINLPPF--- 289

2y 321 VIDTRLYPHLKDISPSENVVVRVPQYFKDLFRILGSRKKTIANLYLWVRMVSRIPNLSR 380

Db 290 -LNTIFYP--VEINSEPIVIYDKYLSKYSTLINSTDKCLLNNYIMWNLVRKTSFSLDQ 346

2y 381 RFQYRWLEFSRVIGQT-TTLLPQWDKCVNFIESALPVVVGKMFVDVYFQDKKEMMEELV 439

Db 347 RFQDADEKFMVYGTCTCLPRWKFCVSDTENTLGFALGPMFVKATFAEDSKNIASEII 406

2y 440 EGRVWAFIDMLEKENEMWDAGTKRKAKARAVLAKVGYPEFIM-----NDTHVNE 490

Db 407 LEIKKAFESL-STLKNWDEDTKSAKAKADAIYNMIGYFNFMIDPKELDKVENDYATVP 465

2y 491 DLKAKFSEADYFGNVLOTRKYLAQSDFFW-----LRKAVPKTEWFTNPTTVNAFYSAS 544

Db 466 DL-----YFENAMRF-----FNFSWRVTADQLRKAPNRDQSMTPPMVNAYSPT 510

2y 545 TNOIRFPAGELQKPFPGTWGTEPRSLSYGAIGVTVGHEFTHGPDNNGRKYDKGNLDPWMS 604

Db 511 KNEIVFPAGILOAPFYTRSS-PNALNFGGIGVVVGHLELTHAFDDQGREYDKGNLRPMWK 569

2y 605 TESEKPKETKTCMNOYSNYWKAGLVKGTTLGENIADNGLGLREAFYRKWINDR 664

Db 570 NSSVEAFKQQTACWVEQYGNV--SVNGEPVNGRHTLGENIADNGLKAAAYRAYQNVV--K 625

2y 665 ROGLEEPLPGITFTNNQLFSLYAHVRNCSYRPEAARQVQIGAHSPQPRVNGAISNS 724

Db 626 KNGAEQ-TLPTLGLTNNQLFSLPAQWCVSRTPESHEGLITDPHSPSRFRVIGSINS 684

2y 725 EFQKAFNCPNPNMNRGMDSCRLW 749

Db 685 KEFSEHFCHPCPGSPMN-PHHKCEVM 708

RESULT 7

US-08-646-273-30

Sequence 30, Application US/08646273

Patent No. 6066502

GENERAL INFORMATION:

APPLICANT: Kroeger, Burkhard, Seuilberger, Harald, Meyer, Thomas, Schmidt,
 APPLICANT: Martin, Jacob, Elard, Otter, Rainer, Subkowski, Thomas, Hillen, Heinz.
 TITLE OF INVENTION: Endothelin Converting Enzyme (ECE).

NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Keil & Weinkauf

STREET: 1101 Connecticut Avenue

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20036

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.5 inch, 1.4 Mb storage

COMPUTER: IBM AT-compatible, 80486 processor

OPERATING SYSTEM: MS-DOS version 6.0

SOFTWARE: WordPerfect version 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/646,273

FILING DATE: 16-NOV-1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/EP94/03706

FILING DATE: 11-NOV-1994

INFORMATION FOR SEQ ID NO: 30:

SEQUENCE CHARACTERISTICS:

LENGTH: 754 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-646-273-30

Query Match

31.4%; Score 1241.5; DB 3; Length 754;

Best Local Similarity 37.9%; Pred. No. 2.8e-113;

Matches 282; Conservative 120; Mismatches 282; Indels 61; Gaps 21;

23 LVVVGGLTVLGTILFLVSQGLSLQAKOEYCLKPECIEAAAAIISKVNLSDPCDNFR 82

Db 53 LVLV-ALLAALVLAFLVGLQYQTRTPSVCLSEACISVTSSILSSMDPTVDPQDFFT 111

2y 83 PACDGMISNNPIPEDMPSYGVYVPLRHNVNLDLKKELLEKSISRRRDTEAIQAKILYSSC 142

Db 112 YACGGWIKANPVPDGHRSRGWGTESNLWEHNOAIIKHLENSTA--SVSEAEKRDQEVYRAC 169

2y 143 MNEKAIKADAKAPLHLHLSHSPRPVLESNPGSVWSEKFSLLQTLATRGQYSNSV 202

Db 170 MNETRIELKAPLMELIEKLG-GWNI-----TGPWDKDNFQ--DTLQVVTSHYHTSP 219

2y 203 FIRLVSPDDKASNEHILKLDQATLSLAVREDYLDNSTEAKSYRDALYKFMVDYTVLLGA 262

Db 220 FFSVVSADSKNSNSNVIQVDSGLGPSRDYLL-NKTENEKVLTYLNYVMVQGLKGG 278

2y 263 NS-SRAEHDMSKVLRLKIAEIMIPHENSTSEAM-YNKMNISELSSAMIQDFWLGYIKK 320

Db 279 GAEDTIRPQWQILDFETALANITIPQEKRDDELIYHKVTAELQTLAPAINLPPF--- 335

2y 321 VIDTRLYPHLKDISPSENVVVRVPQYFKDLFRILGSRKKTIANLYLWVRMVSRIPNLSR 380

Db 336 -LNTIFYP--VEINSEPIVIYDKYLSKYSTLINSTDKCLLNNYIMWNLVRKTSFSLDQ 392

2y 381 RFQYRWLEFSRVIGQT-TTLLPQWDKCVNFIESALPVVVGKMFVDVYFQDKKEMMEELV 439

Db 393 RFQDADEKFMVYGTCTCLPRWKFCVSDTENTLGFALGPMFVKATFAEDSKNIASEII 452

2y 440 EGRVWAFIDMLEKENEMWDAGTKRKAKARAVLAKVGYPEFIM-----NDTHVNE 490

Db 453 LEIKKAFESL-STLKNWDEDTKSAKAKADAIYNMIGYFNFMIDPKELDKVENDYATVP 511

2y 491 DLKAKFSEADYFGNVLOTRKYLAQSDFFW-----LRKAVPKTEWFTNPTTVNAFYSAS 544

Db 512 DL-----YFENAMRF-----FNFSWRVTADQLRKAPNRDQSMTPPMVNAYSPT 556

2y 545 TNOIRFPAGELQKPFPGTWGTEPRSLSYGAIGVTVGHEFTHGPDNNGRKYDKGNLDPWMS 604

Db 557 KNEIVFPAGILOAPFYTRSS-PNALNFGGIGVVVGHLELTHAFDDQGREYDKGNLRPMWK 615

2y 605 TESEKPKETKTCMNOYSNYWKAGLVKGTTLGENIADNGLGLREAFYRKWINDR 664

Db 616 NSSVEAFKQQTACWVEQYGNV--SVNGEPVNGRHTLGENIADNGLKAAAYRAYQNVV--K 671

2y 665 ROGLEEPLPGITFTNNQLFSLYAHVRNCSYRPEAARQVQIGAHSPQPRVNGAISNS 724

Db 672 KNGAEQ-TLPTLGLTNNQLFSLPAQWCVSRTPESHEGLITDPHSPSRFRVIGSINS 730

2y 725 EFQKAFNCPNPNMNRGMDSCRLW 749

Db 731 KEFSEHFCHPCPGSPMN-PHHKCEVM 754

RESULT 8

US-09-819-989-4

Sequence 4, Application US/09819989

Patent No. 648229

GENERAL INFORMATION:

APPLICANT: Wei, Ming-Hui et al.

TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC

TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES

TITLE OF INVENTION: THEREOF

FILE REFERENCE: CL001200

CURRENT APPLICATION NUMBER: US/09/819,989

CURRENT FILING DATE: 2001-03-29

NUMBER OF SEQ ID NOS: 4

SOFTWARE: Fast-Seq for Windows Version 4.0

; SEQ ID NO 4
; LENGTH: 765
; TYPE: PRT
; ORGANISM: Human
US-09-819-989-4

Query Match 30.9%; Score 1222.5; DB 4; Length 765;
Best Local Similarity 35.4%; Pred. No. 2.2e-111;
Matches 270; Conservative 145; Mismatches 302; Indels 45; Gaps 20;

QY 4 ETGSS--VETG-KKARR--GTRIAL--VVFVGGTILVLTILF--LVSQGL--LSLQAKQE 52
DB 33 EGGASPDAMEVGFQKGTQLLGSRTQLLEVLGASLLJLAALLGLCLVALGVQYHRDPSHS 92
QY 53 YCLKPECIEAAAAIILSKVNLSDVDCDNPFRFACDGNWISNNPIEDMESYGVYFWLRNVD 112
DB 93 TCLTEACIRVAKILESILDRGVSPCEDFYQFSCGGMIRNPLPDGRSRWNTFNSLWDQNG 152
QY 113 LKLKLEKTSIRRRDETAIAKALYSSCMNEKAIEKADAKPLHLHILRHSPFPWPVLES 172
DB 153 AILXHLLENT--TFNSSEAEQKTOFYLSCLQVERIEELGAQPLRDLI-----E 200
QY 173 NIGP---EGVSEKRFSLLOTLATFRGOYSNSVIRLYVSPDDKASNEHLKLDQATLSL 229
DB 201 KIGGNITGPDQDNF--MEYLKAVAGTYRATPFTVVISADSKSSNSNVIQVDSGLFL 258
QY 230 AVREDYLDNSTEAKSYRDALYKFMVDYAVLLGANSRAEHDMKSVLRLEIKIABIMIPH- 288
DB 259 PSRDYLL-NRTANKEVLTAIYLDYMEELGMLLGGRTSTREQMGOVLELQLANITVPQD 317
QY 289 ENRTSEAMYNQNISEISAMIPQFDWLYGKIVKVIDTRYLPHLKDIPSENVVVRVPOYFK 348
DB 318 QRRDEEKIYHKMSISELQALAFSDMLLEFLSLSP-----LELSDSEPVVYVGM DYLQ 371
QY 349 DLFRILGSRKKTIANYLAVRWVYSRIPNLRRFQYRWLEFSRVIQGT-TTLTPQWDKCV 407
DB 372 QVSELINRTESEILNNYLIWNLVOKTTSLLDRRFESAQEKLETLVGTKKSCVRPWQTCI 431
QY 408 NFIESALPVVYVGMFVDVYFOEDKEMMEELVEGVWAFIDMLEKENEMWDAGTKRKAKE 467
DB 432 SNTDDALGFALGSLFVKATFDRQKEIAEGMISIRTAFAEAL-GQLVWMDKTRQAQKE 490
QY 468 KARAVLAKVGYPEFTMDTHVNEIDLKATFSEADYFGNVLQTRKYLAQSDFFWLRKAVPK 527
DB 491 KADAIYDMIGPDPFLEPELDDVDYDGEISEDSFFQNMNLNYSKAWADQLRKPPSR 550
QY 528 TEWFTNPTTVNAFYSASTNQIRFPAGELQKPFPGTEYPRSLSYCAIGCVIVGHEFTHGFD 587
DB 551 DQWMTPTQTVNAYILPTKNEIVFPAGILQAPFY-ARNHPKALNFGGIGVVMGHELTHAFD 609
QY 588 NNGRYDKXGNLDPWMTSESEKTEKTCMINSYNYWKAGLVNKGKRTLGENTADN 647
DB 610 DQGREYDKGNLRPMWQNESLAAPRNHTACMBEQNQY--QVNGERLNGRQTLGENTADN 667
QY 648 GGLREAFRAYKWINDRRQGLEEPLPGITFTNNQLFPLSYAHVRCNSYRPEAAEQVQI 707
DB 668 GGLKAAAYNAYKAWL--RKHG-BEQQLPAVGLTNHQLFFVGAQVWCSVRTPESSHEGLVT 724
QY 708 GAHSPQPRVNGAINSSEFQAFNCPPNSTNMGWDSCLRW 749
DB 725 DPHSPARFVLGTLNSRDLFLRHGCPVGSPPMNPQ-QLCEVW 765

RESULT 9

US-09-819-989-2
; Sequence 2, Application US/09819989
; Patent No. 6482629
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al.
; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
; ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; THEREOF
; FILE REFERENCE: CLO01200

; CURRENT APPLICATION NUMBER: US/09/819,989
; CURRENT FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 811
; TYPE: PRT
; ORGANISM: Human
US-09-819-989-2

Query Match 30.8%; Score 1221; DB 4; Length 811;
Best Local Similarity 35.2%; Pred. No. 3.4e-111;
Matches 264; Conservative 144; Mismatches 303; Indels 38; Gaps 17;

QY 10 ETGKKANRGTAL-VVFVGGTILVLTILF--LVSQGL--LSLQAKQEYCLKPECIEAAAA 65
DB 92 QXGTROLLGSRTQLLEVLGASLLJLAALLGLCLVALGVQYHRDPSHSTCLTEACIRVAK 151
QY 66 ILKKNLSDVDCDNPFRFACDGNWISNNPIEDMESYGVYFWLRNVDLKLKELLEKSISR 125
DB 152 ILSDRGVSPCEDFYQFSCGGMIRNPLPDGRSRWNTFNSLWDQNAQLKHLLENT-TF 210
QY 126 RDTETAIQAKILYSSCMNEKAIEKADAKPLHLHILRHSPFPVLESNIGP---EGVWSE 182
DB 211 NSSSEAEQKTOFYLSCLQVERIEELGAQPLRDLI-----EKIGGNITGPDQ 259
QY 183 RKPSLLQTLATFRGOYSNSVIRLYVSPDDKASNEHLKLDQATLSLAVREDYLDNSTEA 242
DB 260 DNP--NEVLKAVAGTYRATPFTVVISADSKSSNSNVIQVDSGLFLPSRDYLL-NRTAN 316
QY 243 KSYRDALYKFMVDYAVLLGANSRAEHDMKSVLRLEIKIABIMIPH-ENRTSEAMYNQNI 301
DB 317 EKVLTAIYLDYMEELGMLLGGRTSTREQMGOVLELQLANITVPQDQRRDEEKIYHKMS 376
QY 302 ISELSAWIPQFDWLYGKIVKVIDTRYLPHLKDIPSENVVVRVPOYFKDLFRILGSRKKT 361
DB 377 ISELQALAFSDMLLEFLSLSP-----LELSDSEPVVYVGM DYLQVSELINRTEPSI 430
QY 362 IANLYVWRVYSRIPNLRRFQYRWLEFSRVIQGT-TTLTPQWDKCNFIESALPVVVGK 420
DB 431 LNNYLIWNLVOKTTSLLDRRFESAQEKLETLVGTKKSCVRPWQTCISNTDDALGFALGS 490
QY 421 MFVDVYFOEDKEMMEELVEGVWAFIDMLEKENEMWDAGTKRKAKEKARAVLAKVGYPE 480
DB 491 LFKATFDQRSKEIAEGMISIRTAFAEAL-GQLVWMDKTRQAQKEKADAIYDMIGPDP 549
QY 481 FIMNDTHVNEIDLKATFSEADYFGNVLQTRKYLAQSDFFWLRKAVPKTEWFTNPTTVNAF 540
DB 550 FILEPELDDVDYDGEISEDSFFQNMNLNYSKAWADQLRKPPSRDQKSMTPQTVNAY 609
QY 541 YSASTNQIRFPAGELQKPFPGTEYPRSLSYCAIGCVIVGHEFTHGDNNGRYDKXGNL 600
DB 610 YLPTKNEIVFPAGILQAPFY-ARNHPKALNFGGIGVVMGHELTHAFDQGREYDKGNLR 668
QY 601 PMWSTSESEKTEKTCMINSYNYWKAGLVNKGKRTLGENTADNGLREAFRAYKRW 660
DB 669 PMWQNESLAAPRNHTACMBEQNQY--QVNGERLNGRQTLGENTADNGLKAAAYNAYKAW 726
QY 661 INDRRQGLEEPLPGITFTNNQLFPLSYAHVRCNSYRPEAAEQVQI GAHSPQPRVNGA 720
DB 727 L--RKHG-BEQQLPAVGLTNHQLFFVGAQVWCSVRTPESSHEGLVTDPHSPARFVLGT 783
QY 721 ISNSEFQAFNCPPNSTNMGWDSCLRW 749
DB 784 LNSRDLFLRHGCPVGSPPMNPQ-QLCEVW 811

RESULT 10

US-09-667-373-4
; Sequence 4, Application US/09667373
; Patent No. 6524840
; GENERAL INFORMATION:
; APPLICANT: Donoho, Gregory

; APPLICANT: Turner, C. Alexander Jr.
 ; APPLICANT: Nehls, Michael C.
 ; APPLICANT: Friedrich, Glenn
 ; APPLICANT: Zambrowicz, Brian
 ; APPLICANT: Sands, Arthur T.
 ; TITLE OF INVENTION: NO. 6524840e1 Human Endothelin Converting
 ; FILE REFERENCE: Enzyme-Like Proteins and Polynucleotides Encoding the Same
 ; FILE REFERENCE: LEX-0043-USA
 ; CURRENT APPLICATION NUMBER: US/09/667,373
 ; CURRENT FILING DATE: 2000-09-22
 ; PRIOR APPLICATION NUMBER: US 60/156,102
 ; PRIOR FILING DATE: 1999-09-24
 ; PRIOR APPLICATION NUMBER: US 60/176,689
 ; PRIOR FILING DATE: 2000-01-18
 ; NUMBER OF SEQ ID NOS: 5
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 4
 ; LENGTH: 883
 ; TYPE: PRT
 ; ORGANISM: homo sapiens
 ; US-09-667-373-4

Query Match 30.8%; Score 1221; DB 4; Length 883;
 Best Local Similarity 35.2%; Pred No 3.9e-111;
 Matches 264; Conservative 144; Mismatches 303; Indels 38; Gaps 17;
 QY 10 ETGKXNRGTAL-VVPGTTLVLTILF--LVSQGL-LSLQAKQYCLKEIAAAA 65
 DB 164 QKGTROLLGSRTQLSELVLGASLLAALLGCLVALGVQVHRDPSHSTCLTEACIRVAGK 223
 QY 56 ILSKVNLSVDCDFFACDGNWISNNPIPEDMPSYGVYVPLRHNVDLKLKLEKISIR 125
 DB 224 ILESDDRGSVCEDFYQSCGGVRRNPLPDGRSRWNTFNSLWQONQAILKHLLENT-TF 282
 QY 126 RRDTEAIQKALYSSCMNEKAIEKADAKAPLLHLIRHSPPFWPVLSESNIGP---EGVWSE 182
 DB 283 NSSEAEQKTRFYLSCLQVERIEELGAQPLDLI-----EKIGWNITGPDQ 331
 QY 183 RKFSLLQTLATFRQYNSVIRLYVSPDDKASNEHLKLDQATLSLAVREDYLDNSTEA 242
 DB 332 DNF--MEVLKAVAGTYRATPFTFYISADSKSSNVIQVDSGLFLPSRDYLL-NRTAN 388
 QY 243 KSYRDALYKFMVDVAVLIGANSSRAEDMKSVLRLEIKIABIMIPH-ENRTSEAMYNKN 301
 DB 389 EKVLTAVLDYMEELGMLLGGRTSTREQMOQVLEIQLANITVPQQRDEEKIYHMS 448
 QY 302 ISELNAPIQPDWLYGKIVKIDTLYPHLKDIDSPENVVVRVQYFKDLPRILGSEKKT 361
 DB 449 ISELQALAPSMDWLEFLSFLSP-----LELSDSEFVVYGMVLYQQVSELINRTEPSI 502
 QY 362 IANYLVWRMYVSRIPNLSRRFQYRWLSEFSRVIOGT-TTLTPQMDKCVNFIESALFYVVGK 420
 DB 503 LNNYLIWNLVQKTTSSLDRRFESAQKLELTLYGTKKSCVPRWQTCISNTDDALGFLGS 562
 QY 421 MFVDVYQEDKEMMELVEGVRAFTDMLKENWMDAGTKKAKKAKAVLAKVGYPE 480
 DB 563 LFVKATIDROSKEIAEGMISEIRTAFEAL-GQLVWMDKTRQAAKEKADAIYDMIGFPD 621
 QY 481 FIMNDTHVNDLKAIFSEADYFGNVLQTRKYLQASDFFWLKRKAVPKTEFTPTTNPAP 540
 DB 622 FILEPKELDQVYGYEISEDSFFQNLNLNYSKAWMDQLRPPSDQSMPTQVNAV 681
 QY 541 YSASTNOIRPAGELQKPFPGWTEYPSLSYGAIGTVIGHEFTGFDNNGKRYDKGNLND 600
 DB 682 YLFTKNEIVFPAGILOAPFF-ARNHPALNFGGIGVVMGHETHAFDDQREYDKGNLR 740
 QY 601 PWSSTEEKFKETKCMINQYNNYKWKAGLVNKGKRTIGENIADNGGLREAFRAYRW 660
 DB 741 PWNQESLAFRNHTACMEQYNOY--QVNGERLNGRQTLGENIADNGGLKAYNAYKAW 798
 QY 661 INDRROGLEEPLIFGITTTNNQLFFLSYAHVRNCSYRPEAARQVQITGAHSPPPQFRVNGA 720
 DB 799 L--RKHG-EEQQLPAVGLTNHQLFFVGVGAQVWCVSRTPESSEHGLVTDHPSPARFVLGT 855

QY 721 ISNSEBFQKAFNCPNPNMNRGMDSCRLW 749
 DB 856 LSNRSDFLRHFGCPVGPMPNPG-QLCEVW 883
 RESULT 11
 US-08-574-763-2
 ; Sequence 2, Application US/08574763
 ; Patent No. 5736376
 ; GENERAL INFORMATION:
 ; APPLICANT: Yanagisawa, Masashi
 ; TITLE OF INVENTION: RECOMBINANT ENDOTHELIN CONVERTING
 ; ENZYME-2 AND ITS USE IN ECE INHIBITOR SCREENING
 ; NUMBER OF SEQUENCES: 7
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Arnold, White & Durkee
 ; STREET: P. O. Box 4433
 ; CITY: Houston
 ; STATE: TX
 ; COUNTRY: USA
 ; ZIP: 77210-4433
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/574,763
 ; FILING DATE: Concurrently herewith
 ; CLASSIFICATION: 530
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Corder, Timothy S.
 ; REGISTRATION NUMBER: 38,414
 ; REFERENCE/DOCKET NUMBER: UTXD:472
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (512) 418-3000
 ; TELEFAX: (512) 474-7577
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 787 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; US-08-574-763-2
 Query Match 29.9%; Score 1184; DB 1; Length 787;
 Best Local Similarity 35.1%; Pred. No. 1.4e-107;
 Matches 265; Conservative 138; Mismatches 313; Indels 38; Gaps 18;

QY 4 ETGSSVETCKKANGRTIRIALVVFVGTTLVLTILF--LVSQGL-LSLQAKQYCLKEPCI 60
 DB 64 EAGFRKTRSLGLLHTQLLEVL-AGVSLALLGCLVALGVQVHRDPSHSTCLTEACI 122
 QY 61 EAAAILSKVNLSVDCDFFACDGNWISNNPIPEDMPSYGVYVPLRHNVDLKLKELLE 120
 DB 123 RVAGKILESDDRGSVCEDFYQSCGGVRRNPLPDGRSRWNSNSLWQONQAILKHLLE 182
 QY 121 KSISSRRDTEAIQKALYSSCMNEKAIEKADAKAPLLHLIRHSPPFWPVLSESNIG---PE 177
 DB 183 NT-TFNSSEAEKTRFYLSCLQVERIEELGA---HALRD-----LIDKIGWNVT 230
 QY 178 GWSERKFSLLQTLATFRQYNSVIRLYVSPDDKASNEHLKLDQATLSLAVREDYLD 237
 DB 231 GPWDQDNF--MEVLKAVAGTYRATPFTFYVSADSKSSNVIQVDSGLFLPSRDYLL- 287
 QY 238 NTEAKSYRDALYKFMVDVAVLIGANSSRAEDMKSVLRLEIKIABIMIPH-ENRTSEAM 296
 DB 288 NRTANEKVLTAVLDYMEELGMLLGGQPTSTREQMQRVLEIQLANITVPQQRDEEKI 347
 QY 297 YNKNMISELSAMIPQDMLGYIKKVIDIRLPHLKDIDSPENVVVRVQYFKDLRILGS 356
 DB 348 YHMSIAELQALAPSMDWLEFLSFLSP-----LELGDSEFVVYGTDTYQQVSELINR 401

	Query Match	13.3%	Score 527.5	DB 3	Length 189
	Best Local Similarity	51.8%	Pred. No. 8.5e-44		
	Matches 101	Conservative 32	Mismatches 55	Indels 7	Gaps 5
y	555	LQPFMTETPRSLYSYGAIVGVCHBETHGFDNNGKYNKGNLDPWWS	TESEEFKEK	614	
b	2	LQAPFYTRSS-PNALNFCGIGVVVGHETHAFDQGREYDKGNLR	PWKNSSVEAFKQ	60	
y	615	TKCMINQVSNYSYWKAGLNVKGRKTLGNIADNGLREAFRAYKYN	INDRROGLEEPLP	674	
b	61	TACMVEQYGNV--SYNGEPVNGRHTLGNIADNGLKAAAYQNWV-	-KNGREQ-TLP	115	
y	675	GITFTNNQLFFLSYAHVRCNSYRPEAAREQVOIGHSPQPRVNGAL	SNSEEPQKANCNP	734	
b	116	TLGLTNNQLFFLSYAQVWCVRTPESSEHGUITDPHSPSRFVIGS	SNKSEFEHFHP	175	
y	735	PNSTNMRGMDSCRLW	749		
	176	PGSPMN-PHHKCEVW	189		

```
search completed: December 3, 2003, 07:31:49
obj time : 32.3726 secs
```

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: December 3, 2003, 07:21:37 ; Search time 497.375 Seconds
(without alignments)
280.074 Million cell updates/sec

Title: US-09-913-955a-1

Perfect score: 3958

Sequence: 1 MEATGSSVETGKKANRCTR.....AFNCPPTMNRGMDSCRLW 749

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 684280 seqs, 185983659 residues

Total number of hits satisfying chosen parameters: 684280

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA.*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1352	34.2	753	12	US-10-147-928-6
2	1333.5	33.7	779	12	Sequence 6, Appli
3	1332.5	33.7	779	10	Sequence 4, Appli
4	1332.5	33.7	779	15	Sequence 2, Appli
5	1322.5	33.4	691	12	US-10-017-273A-6
6	1223	30.9	736	10	US-10-147-928-2
7	1223	30.9	736	10	US-09-978-295A-526
8	1223	30.9	736	10	US-09-978-697-526
9	1223	30.9	736	10	US-09-978-192A-526
10	1223	30.9	736	11	US-09-999-832A-526
11	1223	30.9	736	11	US-09-978-189-526
12	1223	30.9	736	11	US-09-978-688A-526
13	1223	30.9	736	11	US-09-978-585A-526
14	1223	30.9	736	11	US-09-978-191A-526
15	1223	30.9	736	11	US-09-978-403A-526
16	1223	30.9	736	11	US-09-978-564A-526

16	1223	30.9	736	11	US-09-999-833A-526	Sequence 526, App
17	1223	30.9	736	11	US-09-981-915A-526	Sequence 526, App
18	1223	30.9	736	11	US-09-978-824-526	Sequence 526, App
19	1223	30.9	736	11	US-09-918-585A-526	Sequence 526, App
20	1223	30.9	736	11	US-09-978-423A-526	Sequence 526, App
21	1223	30.9	736	11	US-09-978-193A-526	Sequence 526, App
22	1223	30.9	736	11	US-09-999-830A-526	Sequence 526, App
23	1223	30.9	736	11	US-09-978-757A-526	Sequence 526, App
24	1223	30.9	736	11	US-09-978-187B-526	Sequence 526, App
25	1223	30.9	736	11	US-09-978-643A-526	Sequence 526, App
26	1223	30.9	736	12	US-09-978-375A-526	Sequence 526, App
27	1223	30.9	736	12	US-09-978-188A-526	Sequence 526, App
28	1223	30.9	736	12	US-09-978-298A-526	Sequence 526, App
29	1223	30.9	736	12	US-10-143-031A-526	Sequence 526, App
30	1223	30.9	736	12	US-10-002-967A-526	Sequence 526, App
31	1223	30.9	736	12	US-10-017-083A-526	Sequence 526, App
32	1223	30.9	736	12	US-10-143-030A-526	Sequence 526, App
33	1223	30.9	736	12	US-10-199-672-420	Sequence 420, App
34	1223	30.9	736	12	US-10-187-749-420	Sequence 420, App
35	1223	30.9	736	12	US-10-194-457-420	Sequence 420, App
36	1223	30.9	736	12	US-10-145-128A-526	Sequence 526, App
37	1223	30.9	736	12	US-10-184-642-420	Sequence 420, App
38	1223	30.9	736	12	US-10-196-747-420	Sequence 420, App
39	1223	30.9	736	12	US-10-173-689-420	Sequence 420, App
40	1223	30.9	736	12	US-10-173-690-420	Sequence 420, App
41	1223	30.9	736	12	US-10-173-691-420	Sequence 420, App
42	1223	30.9	736	12	US-10-173-692-420	Sequence 420, App
43	1223	30.9	736	12	US-10-173-694-420	Sequence 420, App
44	1223	30.9	736	12	US-10-173-698-420	Sequence 420, App
45	1223	30.9	736	12	US-10-173-699-420	Sequence 420, App

ALIGNMENTS

RESULT 1

US-10-147-928-6
; Sequence 6, Application US/10147928
; Publication No. US00030180877A1
; GENERAL INFORMATION:
; APPLICANT: SOLVAY PHARMACEUTICALS B.V.
; TITLE OF INVENTION: NO. US20030180877A1el Human Enzymes of the Metalloprotease Famil
; FILE REFERENCE: SPW 99.09 /H 99.26-WO
; CURRENT APPLICATION NUMBER: US/10/147, 928
; CURRENT FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 6
; LENGTH: 753
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-147-928-6

Query Match 34.2%; Score 1352; DB 12; Length 753;
Best Local Similarity 38.4%; Pred. No. 1e-117;
Matches 293; Conservative 153; Mismatches 274; Indels 44; Gaps 18;
Qy 9 VETGKKANR-----GTRIALVVFVGTVLGTILPLVSGLLSLQAKQBYCLKPSCIE 61
Db 11 VESAGRAGQKRPQFLEGGLILLLLVTAALVALCVLYADRRGPEAQEVSEVCTTPGCVI 70
Qy 62 AAAAILSKVLSVDPDNDFFRACDGNISNNPIPEDMPISYGVVFWLRRHVDLKLKELLEK 121
Db 71 AAARILQNDPTTEPCDDFYQACGGWLRHRHVPETNSRYSIFDVLRLDEVLKAVLEN 130
Qy 122 SISRRRTEALQAKILYSSCKMEKADAKAPLLHLRHSFRWPLVSNIGPEGVWS 181
Db 131 STA--KDRPAVEKARTYRSCMMQSVIEKRGSGPLLDL--EVVGGWPEVADR-----WN 181
Qy 182 ER---KFSLLQTLATFRGQYSNVFIILYVSPDKASNEHILKLDQATLSLAVREDYLDN 238
Db 182 ETVGLEWELERQALAMNSQFNRRVLIDLFVNDQNSRHHIIVIDOPTLGMPSREYFNG 241

```
QY 239 STEAKSYRDALYKFMVDTAVLL--GANSR-----AEHDMKSVLRLEIKIAETIMIPHENRT 292
D 242 GSNRK-VREAYLQFMVSVATLLREDANLPRDSCVQEDMMQVLELETOAKATVPQESRH 300
QY 293 SE-AMYNKNISLSAM--1PQDMLGYIKYKVIDTLYPHLK-DTSPSNVVRVPQYFK 348
D 301 DVIALYHRMGLBELQSQFGLGFNTLFIOTVLS-----VKIKLLPDEEVVVYGIPIYLO 355
QY 349 DUFRLGSEKKTIANLYLVRMYYSRIPNLRRFYRWLEFERSVIGTTLTPQWDKCVN 408
D 356 NLENIIDTYSARTIQNYLVRLVLDRLGSLRSORFKDTRVNYRKALFGTVMVEVRWREC 415
QY 409 FTESALPYVVGKMFVDVYFOEDKEMWELVSGVRWAFIDMLEKXENWMDAGTKKAKK 468
D 416 YNSNMENAVGSLYVREAFPGDSKSMVRELIDKRVTFVETID-ELGMDDESKKAKK 474
QY 469 ARAVLAKVYPPFIMNDTH--VNEDLKAIKPEADYFGNVLOTRKYLAQSDFFMLRKAVP 526
D 475 AMSIREQIGHDPDYILEEMNRRLDEEYNSLNFSEDLFYFENSQNLKVGASRLKREKVD 534
QY 527 KTEWFTNPTTVNAFYASTNQIRFPAGELQKPFEMGTVEPRSLSYGAIGVIGHFTHGF 586
D 535 PNLWIIIGAAVNAFYSPNRQIVFPAGILQPPFP-SKEQFQALNFGGIGWVIGHIITHGF 593
QY 587 DNGRKRYKXGNLDPWSTSEBEKFEKTKCMINQYNSYWKAG-LNYGKRTLGENTIA 645
D 594 DONGRNFCKNGNMMDWMSNFSSTQHFRQSECMYQYGNYSWDLADEQNVNGFNTLGENTIA 653
QY 646 DNGGLREAFRAKWKINDRRQGLEELPLPGITFTNNQLFELSYAVRNCNSYRPEAREQV 705
D 654 DNGGVQAKYAYLKW--AEGGKQDLGLDLTHEQLFFINAYQWCGSYRPEFAIQSI 710
QY 706 QIGAHSPPOFRVNGAISNEEFQKAFNCPPNSTNRGMDSCLRW 749
D 711 KTDVHSPKYRVLGSLQNLAAAFADTFHCARGTPMH-PKERCVRW 753

RESULT 2
US-10-147-928-4
; Sequence 4, Application US/10147928
; Publication No. US20030180877A1
; GENERAL INFORMATION:
; APPLICANT: SOLVAY PHARMACEUTICALS B.V.
; TITLE OF INVENTION: No. US20030180877A1 Human Enzymes of the Metalloprotease Family
; FILE REFERENCE: SPM 99.09/H 99.26-WO
; CURRENT APPLICATION NUMBER: US/10/147,928
; CURRENT FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 4
; LENGTH: 779
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-147-928-4

Query Match 33.7%; Score 1333.5; DB 12; Length 779;
Best Local Similarity 39.2%; Pred. No. 6e-116;
Matches 284; Conservative 145; Mismatches 258; Indels 37; Gaps 17;

QY 42 QGLLSQAQAEVCLKPECIEAIAAILSKVNLSDPCDNFFRFACDGNIPEDMPSY 101
D 77 RGIPEAQEVSEVCTTGGCVIAAAILQNMDDPTTEPCDDFYQFACGGWLRHVRHVPETNSRY 136

QY 102 GYPMLRHNVDLKLKELLEKSISRRDTEAIQAKILYSSCMNEKAIEKADAKPLHLIR 161
D 137 SIFDVLRLDEVLKAVLENSTA-KDRPAVEKARTLYRSCNNQSVIEKRGSQLDLIL- 193

QY 162 HSPFRWPLVLESNIGECVWSER---KFSLLQTLATFRGQYNSVIRLYVSPDDKASNEH 218
D 194 EVVGGPFAVMDR-----WNETVGEWELEERQALMNSQFNFRVLIDIFIMWDDQNSRH 247

QY 219 ILKLDQATLSLAVREDYLDNSTEAKSYRDALYKFMVDTAVLL--GANSR-----AEHDMK 272
D 242 GSNRK-VREAYLQFMVSVATLLREDANLPRDSCVQEDMMQVLELETOAKATVPQESRH 300
```

```
D 248 IYIDQDTLGMPSREYFNGSNRK-VREAYLQFMVSVATLLREDANLPRDSCVQEDMM 306
QY 273 SVLRLEIKIAETIMIPHENRTSE-AMYNKNISLSAM--1PQDMLGYIKYKVIDTLYPH 329
D 307 QVLELETOAKATVPQESRHVIALYHRMGLBELQSQFGLGFNTLFIOTVLS----- 361
QY 330 LK-DISSENVVVRVPQYFKDLPRLGSEKKTIANLYLVRMYYSRIPNLRRFYRWLE 388
D 362 VKIKLLPDEEVVVYGIPIYLOLENIIDTYSARTIQNYLVRLVLDRLGSLRSORFKDTRVN 421
QY 389 PSRVIOQTTLTPQWDKCVNFIESALPYVVGKMFVDVYFOEDKEMWELVSGVRWAFID 448
D 422 YRKALFGTVMVEVRWRECVCVYNSNMENAVGSLYVREAFPGDSKSMVRELIDKRVTFVE 481
QY 449 MLEKENWMDAGTKKAKKARAVLAKVYPPFIMNDTH--VNEDLKAIKPEADYFGNV 506
D 482 TLD-ELGMDDESKKAKKAKAMSIREQIGHDPDYILEEMNRRLDEEYNSLNFSEDLFYFENS 540
QY 507 LQTRKYLAQSDFFMLRKAVPKTEWFTNPTTVNAFYASTNQIRFPAGELQKPFEMGTVEYP 566
D 541 LQNLKVGASRLKREKVDNLWIIIGAAVNAFYSPNRQIVFPAGILQPPFP-SKEQF 599
QY 567 RLSYGAIGVIGHFTHGFDPNNGRYKXGNLDPWSTSEBEKFEKTKCMINQYNSY 626
D 600 QALNFGGIGWVIGHIITHGFDDNGRNFCKNGNMMDWMSNFSSTQHFRQSECMYQYGNYS 659
QY 627 WKAG-LNYGKRTLGENTIA DNGGLREAFRAKWKINDRRQGLEELPLPGITFTNNQLFF 685
D 660 WDLADEQNVNGFNTLGENTIA DNGGVQAKYAYLKW--AEGGKQDLGLDLTHEQLFF 716
QY 686 LSYAHVRCNSYRPEAREQVQIGAHSPPOFRVNGAISNEEFQKAFNCPPNSTNRGMDS 745
D 717 INYAQWCGSYRPEFAIQSIKTDVHSPKYRVLGSLQNLAAAFADTFHCARGTPMH-PKER 775

QY 746 CRLW 749
D 776 CRVW 779

RESULT 3
US-09-905-846-2
; Sequence 2, Application US/09905846
; Patent No. US20020102707A1
; GENERAL INFORMATION:
; APPLICANT: Ian Dennis Harrow
; APPLICANT: Peter Stacey
; APPLICANT: Roderick Thomas Walsh
; TITLE OF INVENTION: Compounds for the treatment of sexual dysfunction
; FILE REFERENCE: PCS10926APME
; CURRENT APPLICATION NUMBER: US/09/905,846
; CURRENT FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: 0017397.2
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/220,908
; PRIOR FILING DATE: 2000-07-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 779
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-905-846-2

Query Match 33.7%; Score 1332.5; DB 10; Length 779;
Best Local Similarity 39.2%; Pred. No. 7.4e-116;
Matches 284; Conservative 145; Mismatches 258; Indels 37; Gaps 17;

QY 42 QGLLSQAQAEVCLKPECIEAIAAILSKVNLSDPCDNFFRFACDGNIPEDMPSY 101
D 77 RGIPEAQEVSEVCTTGGCVIAAAILQNMDDPTTEPCDDFYQFACGGWLRHVRHVPETNSRY 136

QY 102 GYPMLRHNVDLKLKELLEKSISRRDTEAIQAKILYSSCMNEKAIEKADAKPLHLIR 161
D 137 SIFDVLRLDEVLKAVLENSTA-KDRPAVEKARTLYRSCNNQSVIEKRGSQLDLIL- 193
```

Db 137 SIFDVLRLDELEVLKAVLENSTA--KORPAVEKARTLYRSCMNQSVIEKRGSQPLLDIL- 193
QY 162 HSPFRMPVLESNIGPEGVWSE--KFSLLQTLATFRQYNSVFIIRLYVSPDDKASNEH 218
Db 194 EVVGGPAMDR-----WNETVGLWELELQRLALMNSQFNRRVLIDLFINDDQNSRH 247
QY 219 ILKLDQATLSLAVREDYLDNSTEAKSYDALYKMWVDYAVLL--GANSRR-----AEHDMK 272
Db 248 IYIDQPTLGPSPREYFNGSNRK-VREAYLQFMVSVATLLREDANLPRDSCLVQEDMV 306
QY 273 SVLRLEIKIAEMIPHENRTSE--AMYNKONISELAM--IPQFDWLGVIKKVIDTRLYPH 329
Db 307 QVLELETLAKATVPOBERHDVIALYHRMGLBELOSQFGLKGFNTLFIQTVLSS----- 361
QY 330 LK-DISPEENVVVRVPOYFKDLFRILGSRKKTIANYLVMRWVYSRIPNLRRRQYRWLE 388
Db 362 VKIKLLPDEEVVVGYPYLNLENIIDTYSARTIQNYLVWLVLDRIGLSQRFKOTRVN 421
QY 399 FSRVIOGTTTLTPQWDKCNFIESALPYVVGKMFVDVYFQEDKEMMEELVEGVWAFID 448
Db 422 YRKALFGTMVEEVRWRECVGVYNSNMENAVGSLYVREAFPGDSKSMVRELIDKVRTVFE 481
QY 449 MLEKENEMDAGTKRKAKEKARAVLAKVGYPEFIMNDTH--VNEDLKAIKFSADYFGNV 506
Db 482 TLD-ELGWMDEESKKAQAKAMSIREQIGHDPDYLLEENRRDLDEEYNSNLFSEDLFENS 540
QY 507 LQTRKYLAQSDFFWLKRAKVPKTEWFTNPTTVNAFYASTNQIRFPAGELQKPPFFWGTEYP 566
Db 541 LQNLKVGARSRLKREKVDPNLWIIGAAVNAFYSPNRNQIVFPAGILQPPFF-SKEQP 599
QY 567 RSLSYGAIGVIVGHEFTGHFDNNGRYDKNGNLDPMWSTESBEKFKETKCMINQYNSY 626
Db 600 QALNFGGIGWVIGHEITHGFDNNGRYDKNGNLDPMWSTESBEKFKETKCMINQYNSY 659
QY 627 WKKAG-LNVKGRKTLGENIADNGLRFAFRYKRWINDRRQGLBEPLPGITFTNNOLFF 685
Db 660 WDLADEQNNGFNTLGENIADNGVQYKAYLKW---AEGKXQQLPGLDLTHEQLFF 716
QY 686 LSYAHRVCSYRPEAREQVIGAHSPQFRVNGAISNSEEFQKAFNCPNSTMNRMGMS 745
Db 717 INYAQWCGSYRPEFAIQSIKTDVHSPKLYRVLGSLQNLAAAFADTFHCARGTPMH-PKER 775
QY 746 CRLW 749
Db 776 CRVW 779

RESULT 4

US-10-017-273A-6
; Sequence 6, Application US/10017273A
; Publication No. US20030119714A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Naylor, Alasdair M.
; APPLICANT: Van Der Graaf, Pieter H
; APPLICANT: Wayman, Christopher P.
; TITLE OF INVENTION: Treatment of Male Sexual Dysfunction
; FILE REFERENCE: PC22013
; CURRENT APPLICATION NUMBER: US/10/017, 273A
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: US 60/265,358
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: GB 0030647.2
; PRIOR FILING DATE: 2000-12-15
; PRIOR APPLICATION NUMBER: GB 0108730.3
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: GB 0120679.6
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 09/905,846
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/291,722
; PRIOR FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: US 09/895,367

; PRIOR FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 779
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-017-273A-6

Query Match 33.7%; Score 1332.5; DB 15; Length 779;

Best Local Similarity 39.2%; Pred. No. 7.4e-116;
Matches 284; Conservative 145; Mismatches 258; Indels 37; Gaps 17;
QY 42 QGLSLQAKOYCLKPECIEAARAILSKVNLSDVDPCNFRFACDGHISNNPDMPSY 101
Db 77 RGIPAEQEVSEVCTTGCVCIAAARIIONMDPTTEPCDDFYQACGMLRRHVIPETNSRY 136
QY 102 GYVFWLRHNHDKLLEKLSISRRRDEIAIKAKILYSSCMNEKAIEKADAKPLHLIR 161
Db 137 SIFDVLRLDELEVLKAVLENSTA--KORPAVEKARTLYRSCMNQSVIEKRGSQPLLDIL- 193
QY 162 HSPFRMPVLESNIGPEGVWSE--KFSLLQTLATFRQYNSVFIIRLYVSPDDKASNEH 218
Db 194 EVVGGPAMDR-----WNETVGLWELELQRLALMNSQFNRRVLIDLFINDDQNSRH 247
QY 219 ILKLDQATLSLAVREDYLDNSTEAKSYDALYKMWVDYAVLL--GANSRR-----AEHDMK 272
Db 248 IYIDQPTLGPSPREYFNGSNRK-VREAYLQFMVSVATLLREDANLPRDSCLVQEDMV 306
QY 273 SVLRLEIKIAEMIPHENRTSE--AMYNKONISELAM--IPQFDWLGVIKKVIDTRLYPH 329
Db 307 QVLELETLAKATVPOBERHDVIALYHRMGLBELOSQFGLKGFNTLFIQTVLSS----- 361
QY 330 LK-DISPEENVVVRVPOYFKDLFRILGSRKKTIANYLVMRWVYSRIPNLRRRQYRWLE 388
Db 362 VKIKLLPDEEVVVGYPYLNLENIIDTYSARTIQNYLVWLVLDRIGLSQRFKOTRVN 421
QY 399 FSRVIOGTTTLTPQWDKCNFIESALPYVVGKMFVDVYFQEDKEMMEELVEGVWAFID 448
Db 422 YRKALFGTMVEEVRWRECVGVYNSNMENAVGSLYVREAFPGDSKSMVRELIDKVRTVFE 481
QY 449 MLEKENEMDAGTKRKAKEKARAVLAKVGYPEFIMNDTH--VNEDLKAIKFSADYFGNV 506
Db 482 TLD-ELGWMDEESKKAQAKAMSIREQIGHDPDYLLEENRRDLDEEYNSNLFSEDLFENS 540
QY 507 LQTRKYLAQSDFFWLKRAKVPKTEWFTNPTTVNAFYASTNQIRFPAGELQKPPFFWGTEYP 566
Db 541 LQNLKVGARSRLKREKVDPNLWIIGAAVNAFYSPNRNQIVFPAGILQPPFF-SKEQP 599
QY 567 RSLSYGAIGVIVGHEFTGHFDNNGRYDKNGNLDPMWSTESBEKFKETKCMINQYNSY 626
Db 600 QALNFGGIGWVIGHEITHGFDNNGRYDKNGNLDPMWSTESBEKFKETKCMINQYNSY 659
QY 627 WKKAG-LNVKGRKTLGENIADNGLRFAFRYKRWINDRRQGLBEPLPGITFTNNOLFF 685
Db 660 WDLADEQNNGFNTLGENIADNGVQYKAYLKW---AEGKXQQLPGLDLTHEQLFF 716
QY 686 LSYAHRVCSYRPEAREQVIGAHSPQFRVNGAISNSEEFQKAFNCPNSTMNRMGMS 745
Db 717 INYAQWCGSYRPEFAIQSIKTDVHSPKLYRVLGSLQNLAAAFADTFHCARGTPMH-PKER 775
QY 746 CRLW 749
Db 776 CRVW 779

RESULT 5

US-10-147-928-2
; Sequence 2, Application US/10147928
; Publication No. US20030180877A1
; GENERAL INFORMATION:
; APPLICANT: SOLVAY PHARMACEUTICALS B.V.
; TITLE OF INVENTION: No. US20030180877A1el Human Enzymes of the Metalloprotease Family

RESULT 6
US-09-978-295A-526 ; Sequence 526, Application US/09978295A
; Patent No. US20020156006A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Borstein, David
; APPLICANT: Desnoyers, Luc

;; PRIOR FILING DATE: 1998-03-30
;; PRIOR APPLICATION NUMBER: 60/079923
;; PRIOR FILING DATE: 1998-03-30
;; PRIOR APPLICATION NUMBER: 60/080105
;; PRIOR FILING DATE: 1998-03-31
;; PRIOR APPLICATION NUMBER: 60/080107
;; PRIOR FILING DATE: 1998-03-31
;; PRIOR APPLICATION NUMBER: 60/080165
;; PRIOR FILING DATE: 1998-03-31
;; PRIOR APPLICATION NUMBER: 60/080194
;; PRIOR FILING DATE: 1998-03-31
;; PRIOR APPLICATION NUMBER: 60/080327
;; PRIOR FILING DATE: 1998-04-01
;; PRIOR APPLICATION NUMBER: 60/080328
;; PRIOR FILING DATE: 1998-04-01
;; PRIOR APPLICATION NUMBER: 60/080333
;; PRIOR FILING DATE: 1998-04-01
;; PRIOR APPLICATION NUMBER: 60/080334
;; PRIOR FILING DATE: 1998-04-01
;; PRIOR APPLICATION NUMBER: 60/081070
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081049
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081071
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081195
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081203
;; PRIOR FILING DATE: 1998-04-09
;; PRIOR APPLICATION NUMBER: 60/081229
;; PRIOR FILING DATE: 1998-04-09
;; PRIOR APPLICATION NUMBER: 60/081955
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/081817
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/081819
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/081952
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/081838
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/082568
;; PRIOR FILING DATE: 1998-04-21
;; PRIOR APPLICATION NUMBER: 60/082569
;; PRIOR FILING DATE: 1998-04-21
;; PRIOR APPLICATION NUMBER: 60/082704
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082804
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082700
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082797
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082796
;; PRIOR FILING DATE: 1998-04-23
;; PRIOR APPLICATION NUMBER: 60/083336
;; PRIOR FILING DATE: 1998-04-27
;; PRIOR APPLICATION NUMBER: 60/083322
;; PRIOR FILING DATE: 1998-04-28
;; PRIOR APPLICATION NUMBER: 60/083392
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083495
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083496
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083499
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083545
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083554
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083558
;; PRIOR FILING DATE: 1998-04-29

;; PRIOR APPLICATION NUMBER: 60/083559
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083500
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083742
;; PRIOR FILING DATE: 1998-04-30
;; PRIOR APPLICATION NUMBER: 60/084366
;; PRIOR FILING DATE: 1998-05-05
;; PRIOR APPLICATION NUMBER: 60/084414
;; PRIOR FILING DATE: 1998-05-06
;; PRIOR APPLICATION NUMBER: 60/084441
;; PRIOR FILING DATE: 1998-05-06
;; PRIOR APPLICATION NUMBER: 60/084637
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084639
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084640
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084598
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084600
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084627
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084643
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/085339
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085338
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085323
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085582
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085700
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085689
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085579
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085580
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 30.9%; Score 1223; DB 10; Length 736;
Best Local Similarity 35.2%; Pred. No. 1.3e-105;

Matches 267; Conservative 145; Mismatches 307; Indels 40; Gaps 18;

QY 2 EARTGSSV--ETGKANRGTRIAL-VFVGGTILVLTILF--LVSOGL-LSLQAKCEYCL 55
DB 7 ELGAGSNVGFQKGTROLLGSRQTCLVLAGASLLAALLGCLVALGVQYHRDPSSHSTCL 66
QY 56 KPECIEAAAILSKVNLSDPCDNFFRFACDGNISNNPIPEDMPSYGVYFWLHNVDLKL 115
DB 67 TEACIRVAGKILESLEDRGVSPCEDFYQFCGGWIRRNPLDGRSRMNTFNSLWDQQAAIL 126
QY 116 KELLEKSISRRRDTEAIOKAKILYSSCMNEKAIEKADAKPLHLHRLHSFPRWPVLESNTG 175
DB 127 KHLLENT-TFNSSSEAEQTKQRFYLSCLQVERIEBELGAQPLRDLI-----EKIG 174
QY 176 P---EGVWSEKPSLLQTLATFRGOYSNVFIRLVYSPDDKASNEHILKLDQATLSLAVR 232
DB 175 GWNITGPDQDNF--MEVLKAVAGTYRATPFTVYISADSKSNSNVIQVQDQGLFLPSR 232
QY 233 EYLDNSTEAKSYRDALYKFWVDVAVLLGANSRAEHDMKSVLRLEIKTAETMIPH-ENR 291
DB 233 DYLL-NRTANEKVLTAYLDYMEELGMLGGRRFTSTREQNQVLELEIOLANITVPODQRR 291
QY 292 TSEAMYNKMNISELSAMTFQFDWLGYIKKVIDTRLYPHLKDIPSPENVVVRVPOVFKDLF 351

1	PRIOR FILING DATE: 1998-04-15	
2	PRIOR APPLICATION NUMBER: 60/081817	
3	PRIOR FILING DATE: 1998-04-15	
4	PRIOR APPLICATION NUMBER: 60/081819	
5	PRIOR FILING DATE: 1998-04-15	
6	PRIOR APPLICATION NUMBER: 60/081952	
7	PRIOR FILING DATE: 1998-04-15	
8	PRIOR APPLICATION NUMBER: 60/081838	
9	PRIOR FILING DATE: 1998-04-15	
10	PRIOR APPLICATION NUMBER: 60/082568	
11	PRIOR FILING DATE: 1998-04-21	
12	PRIOR APPLICATION NUMBER: 60/082569	
13	PRIOR FILING DATE: 1998-04-21	
14	PRIOR APPLICATION NUMBER: 60/082704	
15	PRIOR FILING DATE: 1998-04-22	
16	PRIOR APPLICATION NUMBER: 60/082804	
17	PRIOR FILING DATE: 1998-04-22	
18	PRIOR APPLICATION NUMBER: 60/082700	
19	PRIOR FILING DATE: 1998-04-22	
20	PRIOR APPLICATION NUMBER: 60/082797	
21	PRIOR FILING DATE: 1998-04-22	
22	PRIOR APPLICATION NUMBER: 60/082796	
23	PRIOR FILING DATE: 1998-04-23	
24	PRIOR APPLICATION NUMBER: 60/083336	
25	PRIOR FILING DATE: 1998-04-27	
26	PRIOR APPLICATION NUMBER: 60/083322	
27	PRIOR FILING DATE: 1998-04-28	
28	PRIOR APPLICATION NUMBER: 60/083392	
29	PRIOR FILING DATE: 1998-04-29	
30	PRIOR APPLICATION NUMBER: 60/083495	
31	PRIOR FILING DATE: 1998-04-29	
32	PRIOR APPLICATION NUMBER: 60/083496	
33	PRIOR FILING DATE: 1998-04-29	
34	PRIOR APPLICATION NUMBER: 60/083499	
35	PRIOR FILING DATE: 1998-04-29	
36	PRIOR APPLICATION NUMBER: 60/083545	
37	PRIOR FILING DATE: 1998-04-29	
38	PRIOR APPLICATION NUMBER: 60/083554	
39	PRIOR FILING DATE: 1998-04-29	
40	PRIOR APPLICATION NUMBER: 60/083558	
41	PRIOR FILING DATE: 1998-04-29	
42	PRIOR APPLICATION NUMBER: 60/083559	
43	PRIOR FILING DATE: 1998-04-29	
44	PRIOR APPLICATION NUMBER: 60/083500	
45	PRIOR FILING DATE: 1998-04-29	
46	PRIOR APPLICATION NUMBER: 60/083742	
47	PRIOR FILING DATE: 1998-04-30	
48	PRIOR APPLICATION NUMBER: 60/083666	
49	PRIOR FILING DATE: 1998-05-05	
50	PRIOR APPLICATION NUMBER: 60/084414	
51	PRIOR FILING DATE: 1998-05-06	
52	PRIOR APPLICATION NUMBER: 60/084441	
53	PRIOR FILING DATE: 1998-05-06	
54	PRIOR APPLICATION NUMBER: 60/084637	
55	PRIOR FILING DATE: 1998-05-07	
56	PRIOR APPLICATION NUMBER: 60/084639	
57	PRIOR FILING DATE: 1998-05-07	
58	PRIOR APPLICATION NUMBER: 60/084640	
59	PRIOR FILING DATE: 1998-05-07	
60	PRIOR APPLICATION NUMBER: 60/084643	
61	PRIOR FILING DATE: 1998-05-07	
62	PRIOR APPLICATION NUMBER: 60/085339	
63	PRIOR FILING DATE: 1998-05-13	
64	PRIOR APPLICATION NUMBER: 60/085338	
65	PRIOR FILING DATE: 1998-05-13	
66	PRIOR APPLICATION NUMBER: 60/085323	
67	PRIOR FILING DATE: 1998-05-13	

```

; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match          30.9%; Score 1223; DB 10; Length 736;
Best Local Similarity 35.2%; Pred. No. 1.3e-105;
Matches 267; Conservative 145; Mismatches 307; Indels 40; Gaps 18;

QY 2 EAETGSSV--ETGKANRGTRIAL-VYFVGGLVLGTILF--LVSQGL-LSLQAKQEQYCL 55
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 7 ELGAGSVNGFKGTGROLLGSRTOLELVLGASLLAALLGCLVALGVQYHRDPSHSTCL 66

QY 56 KPECIEAAAILSKVNLSDVDCNFRFRACDQWISNNRPIEDPMPSYGVYPMLRHNVDLKL 115
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 67 TEACIRVAGKILSLORGVSPCSDFFQFSCGGWIRRNPLPDGRSRWNTFNSLWDONQAIL 126

QY 116 KELLEKISRRRTEATQAKAILYSSCMNEKAIEKADAKAPLLHILRHSPFRMPVLESNIG 175
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 127 KHLLENT-TFNSSSEAEQKTQRFYLSCLQVERIEELGAQPLDLI-----EXIG 174

QY 176 P--EGVWSRKFSLLQTLATRFQYGSNSVFRLYVSDPKASNEHILKLCATLSLAVR 232
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 175 GWNITGWDQDNF--MEVLKAVAGTFRATPTFTTVISADSKSNSNVTQVDSGLFLPSR 232

QY 233 BDYLDNSTEAKSYRDALYKFMVDYATVLLGANSRAEHDMKSVLRLEIKIAIMIPH-ENR 291
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 233 DYLL-NRTANEKVLTAAYLDYMEELGMLLGRPTSTREQMQQVLELEIQLANITVPDQRR 291

QY 292 TSEAWYNKMIISELSAMIPOFKMLGVYIKVVIDTRLYPHLKDISPENVAVRPQYFKDLF 351
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 292 DEEKYHKMSIISLQALAFSMDWLEFSLSP-----LEUSDSEPVVYGMVYLOQVS 345

QY 352 RILGSEKXTIANYLVWRMYYSRIPNLRSFYRMLFSRVYQGT-TTLLPQWDKCVNFI 410
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 346 ELINRTEPSILNNKLYLWNLVQKTTSLDRRPFESAQEKLLTLYGTGKSCVPRWOTCISNT 405

QY 411 ESALPYVVGKMFVDVYFQEDKKEWMEELVEGVYRWAFIDMLEKENENWMDAGTKRKAKEKAR 470
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 406 DDALGFAIGSLFVKATFDQSKIEIAEGMISEIRTAFEAL-GQLVWMDKTRQAKAEKAD 464

QY 471 AVLAKVGYPFIMKNDTHVNEDLKAIKFSEADYFGNVLOT'RKLYLAQSDPFWLKRAVPKTEW 530
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 465 AIYDMIGFPDFILEPKDELDDVGVYEISDSDFQNNLNLNPSAKVMADQLRKPPSRDQW 524

QY 531 FTNPTTVNAYSASTNQIRFPAGELQKPFPGWTEYPRSLSYGATGVIYGHFTGCFDNNNG 590
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 525 SMTQTVNATLYLPTKNEIYPPAGILOQPEY-ARNHPKALNFGGIGVVMGHETUAFDDQGG 583

QY 591 RKYDRGNLDPWPKSTESSEKFKETKCMINQYSNTYWKKAGLNKVKRKTTLGENTADNGGL 650
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 584 REYDKENLRPMWQNESLAAFRNHTACMBEQYNQY-QVNGERLNGRQTLGENTIDNGGL 641

QY 651 REAPRAYKWINDRROGLEEPLLPGLITFTNNQLFFLSYAHVRCNSYRPEAAREQVQIGAH 710
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 642 KAAYNATKAWL--RKHG-EEQQLPAPVGLTNHQLFVFGFAQVWCVSVRTPESSHEGLVTDPH 698

711 SPOQFRYNGAISNEEFQKAFNCPNPNSTNMNRGMSCLRW 749
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 699 SPARFRVLGTLNSRDFLHFGFCVGS PMNPG-OLCEVM 736
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

```

Wed Dec 3 12:12:01 2003

us-09-913-955a-1.rapb

RESULT 8
 US-09-978-192A-526
 Sequence 526, Application US/09978192A
 Patent No. US20020177553A1
 GENERAL INFORMATION:
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Baker Kevin P.
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Eaton, Dan
 APPLICANT: Ferrara, Napoleon
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Grimsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, J. Christopher
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Kijavini, Ivar J.
 APPLICANT: Kuo, Sophia S.
 APPLICANT: Napier, Mary A.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Shelton, David L.
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 TITLE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: P2630P1C9
 CURRENT APPLICATION NUMBER: US/09/978,192A
 CURRENT FILING DATE: 2001-10-15
 PRIOR APPLICATION NUMBER: 09/918595
 PRIOR FILING DATE: 2001-07-30
 PRIOR APPLICATION NUMBER: 60/062250
 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/064249
 PRIOR FILING DATE: 1997-11-03
 PRIOR APPLICATION NUMBER: 60/065311
 PRIOR FILING DATE: 1997-11-13
 PRIOR APPLICATION NUMBER: 60/066364
 PRIOR FILING DATE: 1997-11-21
 PRIOR APPLICATION NUMBER: 60/077450
 PRIOR FILING DATE: 1998-03-10
 PRIOR APPLICATION NUMBER: 60/077632
 PRIOR FILING DATE: 1998-03-11
 PRIOR APPLICATION NUMBER: 60/077641
 PRIOR FILING DATE: 1998-03-11
 PRIOR APPLICATION NUMBER: 60/077649
 PRIOR FILING DATE: 1998-03-11
 PRIOR APPLICATION NUMBER: 60/077791
 PRIOR FILING DATE: 1998-03-12
 PRIOR APPLICATION NUMBER: 60/078004
 PRIOR FILING DATE: 1998-03-13
 PRIOR APPLICATION NUMBER: 60/078886
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/078936
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/078910
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/078939
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/079294
 PRIOR FILING DATE: 1998-03-25
 PRIOR APPLICATION NUMBER: 60/079656
 PRIOR FILING DATE: 1998-03-26
 PRIOR APPLICATION NUMBER: 60/079664
 PRIOR FILING DATE: 1998-03-27
 PRIOR APPLICATION NUMBER: 60/079689
 PRIOR FILING DATE: 1998-03-27
 PRIOR APPLICATION NUMBER: 60/079663
 PRIOR FILING DATE: 1998-03-27
 PRIOR APPLICATION NUMBER: 60/079728
 PRIOR FILING DATE: 1998-03-27
 PRIOR APPLICATION NUMBER: 60/079786
 PRIOR FILING DATE: 1998-03-27
 PRIOR APPLICATION NUMBER: 60/079920
 PRIOR FILING DATE: 1998-03-30
 PRIOR APPLICATION NUMBER: 60/079923
 PRIOR FILING DATE: 1998-03-30
 PRIOR APPLICATION NUMBER: 60/080105
 PRIOR FILING DATE: 1998-03-31
 PRIOR APPLICATION NUMBER: 60/080107
 PRIOR FILING DATE: 1998-03-31
 PRIOR APPLICATION NUMBER: 60/080165
 PRIOR FILING DATE: 1998-03-31
 PRIOR APPLICATION NUMBER: 60/080194
 PRIOR FILING DATE: 1998-03-31
 PRIOR APPLICATION NUMBER: 60/080327
 PRIOR FILING DATE: 1998-04-01
 PRIOR APPLICATION NUMBER: 60/080328
 PRIOR FILING DATE: 1998-04-01
 PRIOR APPLICATION NUMBER: 60/080333
 PRIOR FILING DATE: 1998-04-01
 PRIOR APPLICATION NUMBER: 60/080334
 PRIOR FILING DATE: 1998-04-01
 PRIOR APPLICATION NUMBER: 60/081070
 PRIOR FILING DATE: 1998-04-08
 PRIOR APPLICATION NUMBER: 60/081049
 PRIOR FILING DATE: 1998-04-08
 PRIOR APPLICATION NUMBER: 60/081071
 PRIOR FILING DATE: 1998-04-08
 PRIOR APPLICATION NUMBER: 60/081195
 PRIOR FILING DATE: 1998-04-08
 PRIOR APPLICATION NUMBER: 60/081203
 PRIOR FILING DATE: 1998-04-09
 PRIOR APPLICATION NUMBER: 60/081229
 PRIOR FILING DATE: 1998-04-09
 PRIOR APPLICATION NUMBER: 60/081955
 PRIOR FILING DATE: 1998-04-15
 PRIOR APPLICATION NUMBER: 60/081817
 PRIOR FILING DATE: 1998-04-15
 PRIOR APPLICATION NUMBER: 60/081819
 PRIOR FILING DATE: 1998-04-15
 PRIOR APPLICATION NUMBER: 60/081952
 PRIOR FILING DATE: 1998-04-15
 PRIOR APPLICATION NUMBER: 60/081838
 PRIOR FILING DATE: 1998-04-15
 PRIOR APPLICATION NUMBER: 60/082568
 PRIOR FILING DATE: 1998-04-21
 PRIOR APPLICATION NUMBER: 60/082569
 PRIOR FILING DATE: 1998-04-21
 PRIOR APPLICATION NUMBER: 60/082704
 PRIOR FILING DATE: 1998-04-22
 PRIOR APPLICATION NUMBER: 60/082804
 PRIOR FILING DATE: 1998-04-22
 PRIOR APPLICATION NUMBER: 60/082700
 PRIOR FILING DATE: 1998-04-22
 PRIOR APPLICATION NUMBER: 60/082797
 PRIOR FILING DATE: 1998-04-22
 PRIOR APPLICATION NUMBER: 60/082796
 PRIOR FILING DATE: 1998-04-23
 PRIOR APPLICATION NUMBER: 60/083336
 PRIOR FILING DATE: 1998-04-27
 PRIOR APPLICATION NUMBER: 60/083322
 PRIOR FILING DATE: 1998-04-28
 PRIOR APPLICATION NUMBER: 60/083392
 PRIOR FILING DATE: 1998-04-29
 PRIOR APPLICATION NUMBER: 60/083495
 PRIOR FILING DATE: 1998-04-29
 PRIOR APPLICATION NUMBER: 60/083496

QY	176	P---	EGW	SRK	FSL	QTL	TR	PG	YS	NS	V	F	I	R	L	V	V	S	P	D	D	K	A	S	N	H	I	K	L	Q	A	T	L	S	L	A	V	R	233				
DB	175	GN	IT	CP	MD	Q	D	N	F	--	ME	V	L	K	A	V	A	G	T	R	A	T	P	P	F	T	T	V	I	S	A	D	S	K	S	S	N	S	N	233			
QY	233	ED	Y	L	N	S	T	E	A	K	S	R	D	A	L	K	F	M	V	D	T	A	V	L	L	G	A	N	S	R	A	E	H	D	M	K	S	V	L	291			
DB	233	D	Y	L	-	N	R	T	A	N	E	K	V	L	T	A	I	D	Y	M	E	L	G	M	L	L	G	R	P	T	S	T	R	E	O	M	Q	O	V	L	291		
QY	292	T	S	E	A	M	Y	N	K	M	I	S	E	L	S	A	M	I	P	Q	F	D	M	L	G	Y	I	K	K	I	D	T	R	L	Y	P	H	L	K	D	351		
DB	292	D	E	E	K	I	Y	H	K	M	S	I	S	E	L	Q	A	L	A	P	S	M	D	W	L	E	F	L	S	P	-----	L	E	L	S	D	S	E	P	345			
QY	352	R	I	L	G	S	E	R	K	T	I	A	N	L	V	M	R	M	Y	S	R	I	P	N	L	S	R	R	E	Q	Y	R	W	L	E	F	S	R	V	I	Q	T	410
DB	346	E	L	I	N	T	E	P	S	I	L	N	N	Y	L	I	M	N	L	V	K	T	T	S	S	L	D	R	F	E	S	A	Q	E	K	L	L	E	T	Y	405		
QY	411	E	S	A	L	P	Y	V	Y	G	M	F	D	V	Y	F	Q	E	D	K	K	E	M	M	E	L	V	E	G	R	W	A	F	I	D	M	L	E	K	E	N	470	
DB	406	D	D	A	L	G	F	A	L	G	S	L	F	V	K	A	T	F	D	R	Q	S	E	I	A	E	G	M	I	S	E	I	R	T	A	F	E	B	A	L	-	464	
QY	471	A	V	L	A	K	V	G	Y	P	E	F	I	M	D	T	H	V	N	E	D	L	K	A	I	K	F	S	E	A	D	Y	F	G	N	V	L	O	T	R	K	Y	530
DB	465	A	I	Y	D	M	I	G	P	P	D	F	I	L	E	P	K	E	L	D	D	V	Y	D	G	Y	E	I	S	E	D	S	F	F	Q	M	L	N	L	Y	524		
QY	531	F	T	N	P	T	V	N	A	F	S	A	S	T	N	Q	I	R	F	P	A	G	E	L	Q	K	P	F	F	M	G	T	E	P	R	S	L	S	Y	G	A	I	590
DB	525	S	M	T	P	O	T	V	N	A	Y	L	P	T	K	N	E	I	V	F	P	A	G	I	L	Q	A	P	F	-	A	R	N	H	P	K	A	L	N	F	G	583	
QY	591	R	K	Y	D	K	N	G	L	D	P	M	W	S	T	E	S	E	K	F	K	E	K	T	K	M	I	N	Y	S	N	Y	K	K	A	G	L	N	V	K	R	650	
DB	584	R	E	Y	D	K	E	G	N	L	R	P	M	W	Q	N	E	S	L	A	F	R	N	H	T	A	C	M	E	Q	Y	N	O	-	-	O	V	N	G	E	R	641	
QY	651	R	E	A	F	R	A	K	W	I	N	D	R	O	G	L	E	E	P	L	P	G	I	T	F	T	N	N	Q	L	F	S	Y	A	H	V	R	C	N	S	Y	710	
DB	642	K	A	A	N	A	Y	K	A	W	L	-	-	R	K	H	G	-	E	E	O	L	F	A	V	G	L	T	N	H	Q	L	F	V	G	F	A	Q	W	C	S</		

;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE OF INVENTION: Acids Encoding the Same
;; FILE REFERENCE: P26301C63
;; CURRENT APPLICATION NUMBER: US/09/999,832A
;; CURRENT FILING DATE: 2001-10-24
;; PRIOR APPLICATION NUMBER: 09/918585
;; PRIOR FILING DATE: 2001-07-30
;; PRIOR APPLICATION NUMBER: 60/062250
;; PRIOR FILING DATE: 1997-10-17
;; PRIOR APPLICATION NUMBER: 60/064249
;; PRIOR FILING DATE: 1997-11-03
;; PRIOR APPLICATION NUMBER: 60/065311
;; PRIOR FILING DATE: 1997-11-13
;; PRIOR APPLICATION NUMBER: 60/066364
;; PRIOR FILING DATE: 1997-11-21
;; PRIOR APPLICATION NUMBER: 60/077450
;; PRIOR FILING DATE: 1998-03-10
;; PRIOR APPLICATION NUMBER: 60/077632
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077641
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077649
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077791
;; PRIOR FILING DATE: 1998-03-12
;; PRIOR APPLICATION NUMBER: 60/078004
;; PRIOR FILING DATE: 1998-03-13
;; PRIOR APPLICATION NUMBER: 60/078886
;; PRIOR FILING DATE: 1998-03-20
;; PRIOR APPLICATION NUMBER: 60/078936
;; PRIOR FILING DATE: 1998-03-20
;; PRIOR APPLICATION NUMBER: 60/078910
;; PRIOR FILING DATE: 1998-03-20
;; PRIOR APPLICATION NUMBER: 60/078939
;; PRIOR FILING DATE: 1998-03-20
;; PRIOR APPLICATION NUMBER: 60/079294
;; PRIOR FILING DATE: 1998-03-25
;; PRIOR APPLICATION NUMBER: 60/079656
;; PRIOR FILING DATE: 1998-03-26
;; PRIOR APPLICATION NUMBER: 60/079664
;; PRIOR FILING DATE: 1998-03-27
;; PRIOR APPLICATION NUMBER: 60/079689
;; PRIOR FILING DATE: 1998-03-27
;; PRIOR APPLICATION NUMBER: 60/079663
;; PRIOR FILING DATE: 1998-03-27
;; PRIOR APPLICATION NUMBER: 60/079728
;; PRIOR FILING DATE: 1998-03-27
;; PRIOR APPLICATION NUMBER: 60/079786
;; PRIOR FILING DATE: 1998-03-27
;; PRIOR APPLICATION NUMBER: 60/079920
;; PRIOR FILING DATE: 1998-03-30
;; PRIOR APPLICATION NUMBER: 60/079923
;; PRIOR FILING DATE: 1998-03-30
;; PRIOR APPLICATION NUMBER: 60/080105
;; PRIOR FILING DATE: 1998-03-31
;; PRIOR APPLICATION NUMBER: 60/080107
;; PRIOR FILING DATE: 1998-03-31
;; PRIOR APPLICATION NUMBER: 60/080165
;; PRIOR FILING DATE: 1998-03-31
;; PRIOR APPLICATION NUMBER: 60/080194
;; PRIOR FILING DATE: 1998-03-31
;; PRIOR APPLICATION NUMBER: 60/080327
;; PRIOR FILING DATE: 1998-04-01
;; PRIOR APPLICATION NUMBER: 60/080328
;; PRIOR FILING DATE: 1998-04-01
;; PRIOR APPLICATION NUMBER: 60/080333
;; PRIOR FILING DATE: 1998-04-01
;; PRIOR APPLICATION NUMBER: 60/080334
;; PRIOR FILING DATE: 1998-04-01
;; PRIOR APPLICATION NUMBER: 60/081070
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081049
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081071
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081195
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081203
;; PRIOR FILING DATE: 1998-04-09
;; PRIOR APPLICATION NUMBER: 60/081229
;; PRIOR FILING DATE: 1998-04-09
;; PRIOR APPLICATION NUMBER: 60/081955
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/081817
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/081819
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/081952
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/081838
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/082568
;; PRIOR FILING DATE: 1998-04-21
;; PRIOR APPLICATION NUMBER: 60/082569
;; PRIOR FILING DATE: 1998-04-21
;; PRIOR APPLICATION NUMBER: 60/082704
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082804
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082700
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082797
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082796
;; PRIOR FILING DATE: 1998-04-23
;; PRIOR APPLICATION NUMBER: 60/083336
;; PRIOR FILING DATE: 1998-04-27
;; PRIOR APPLICATION NUMBER: 60/083322
;; PRIOR FILING DATE: 1998-04-28
;; PRIOR APPLICATION NUMBER: 60/083392
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083495
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083496
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083499
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083545
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083554
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083558
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083559
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083500
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083742
;; PRIOR FILING DATE: 1998-04-30
;; PRIOR APPLICATION NUMBER: 60/084366
;; PRIOR FILING DATE: 1998-05-05
;; PRIOR APPLICATION NUMBER: 60/084414
;; PRIOR FILING DATE: 1998-05-06
;; PRIOR APPLICATION NUMBER: 60/084441
;; PRIOR FILING DATE: 1998-05-06
;; PRIOR APPLICATION NUMBER: 60/084637
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084639
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084640
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084598
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084600
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084627

1 PRIOR FILING DATE: 1998-03-20
2 PRIOR APPLICATION NUMBER: 60/078939
3 PRIOR FILING DATE: 1998-03-20
4 PRIOR APPLICATION NUMBER: 60/079294
5 PRIOR FILING DATE: 1998-03-25
6 PRIOR APPLICATION NUMBER: 60/079656
7 PRIOR FILING DATE: 1998-03-26
8 PRIOR APPLICATION NUMBER: 60/079654
9 PRIOR FILING DATE: 1998-03-27
10 PRIOR APPLICATION NUMBER: 60/079689
11 PRIOR FILING DATE: 1998-03-27
12 PRIOR APPLICATION NUMBER: 60/079663
13 PRIOR FILING DATE: 1998-03-27
14 PRIOR APPLICATION NUMBER: 60/079728
15 PRIOR FILING DATE: 1998-03-27
16 PRIOR APPLICATION NUMBER: 60/079786
17 PRIOR FILING DATE: 1998-03-27
18 PRIOR APPLICATION NUMBER: 60/079920
19 PRIOR FILING DATE: 1998-03-30
20 PRIOR APPLICATION NUMBER: 60/079923
21 PRIOR FILING DATE: 1998-03-30
22 PRIOR APPLICATION NUMBER: 60/080105
23 PRIOR FILING DATE: 1998-03-31
24 PRIOR APPLICATION NUMBER: 60/080107
25 PRIOR FILING DATE: 1998-03-31
26 PRIOR APPLICATION NUMBER: 60/080165
27 PRIOR FILING DATE: 1998-03-31
28 PRIOR APPLICATION NUMBER: 60/080194
29 PRIOR FILING DATE: 1998-03-31
30 PRIOR APPLICATION NUMBER: 60/080327
31 PRIOR FILING DATE: 1998-04-01
32 PRIOR APPLICATION NUMBER: 60/080328
33 PRIOR FILING DATE: 1998-04-01
34 PRIOR APPLICATION NUMBER: 60/080333
35 PRIOR FILING DATE: 1998-04-01
36 PRIOR APPLICATION NUMBER: 60/080334
37 PRIOR FILING DATE: 1998-04-01
38 PRIOR APPLICATION NUMBER: 60/081070
39 PRIOR FILING DATE: 1998-04-08
40 PRIOR APPLICATION NUMBER: 60/081049
41 PRIOR FILING DATE: 1998-04-08
42 PRIOR APPLICATION NUMBER: 60/081071
43 PRIOR FILING DATE: 1998-04-08
44 PRIOR APPLICATION NUMBER: 60/081195
45 PRIOR FILING DATE: 1998-04-08
46 PRIOR APPLICATION NUMBER: 60/081203
47 PRIOR FILING DATE: 1998-04-09
48 PRIOR APPLICATION NUMBER: 60/081229
49 PRIOR FILING DATE: 1998-04-09
50 PRIOR APPLICATION NUMBER: 60/081955
51 PRIOR FILING DATE: 1998-04-15
52 PRIOR APPLICATION NUMBER: 60/081817
53 PRIOR FILING DATE: 1998-04-15
54 PRIOR APPLICATION NUMBER: 60/081819
55 PRIOR FILING DATE: 1998-04-15
56 PRIOR APPLICATION NUMBER: 60/081952
57 PRIOR FILING DATE: 1998-04-15
58 PRIOR APPLICATION NUMBER: 60/081838
59 PRIOR FILING DATE: 1998-04-15
60 PRIOR APPLICATION NUMBER: 60/082568
61 PRIOR FILING DATE: 1998-04-21
62 PRIOR APPLICATION NUMBER: 60/082569
63 PRIOR FILING DATE: 1998-04-21
64 PRIOR APPLICATION NUMBER: 60/082704
65 PRIOR FILING DATE: 1998-04-22
66 PRIOR APPLICATION NUMBER: 60/082804
67 PRIOR FILING DATE: 1998-04-22
68 PRIOR APPLICATION NUMBER: 60/082700
69 PRIOR FILING DATE: 1998-04-22
70 PRIOR APPLICATION NUMBER: 60/082797
71 PRIOR FILING DATE: 1998-04-22
72 PRIOR APPLICATION NUMBER: 60/082796
73 PRIOR FILING DATE: 1998-04-23

1 PRIOR APPLICATION NUMBER: 60/083336
2 PRIOR FILING DATE: 1998-04-27
3 PRIOR APPLICATION NUMBER: 60/083322
4 PRIOR FILING DATE: 1998-04-28
5 PRIOR APPLICATION NUMBER: 60/083392
6 PRIOR FILING DATE: 1998-04-29
7 PRIOR APPLICATION NUMBER: 60/083495
8 PRIOR FILING DATE: 1998-04-29
9 PRIOR APPLICATION NUMBER: 60/083496
10 PRIOR FILING DATE: 1998-04-29
11 PRIOR APPLICATION NUMBER: 60/083499
12 PRIOR FILING DATE: 1998-04-29
13 PRIOR APPLICATION NUMBER: 60/083545
14 PRIOR FILING DATE: 1998-04-29
15 PRIOR APPLICATION NUMBER: 60/083554
16 PRIOR FILING DATE: 1998-04-29
17 PRIOR APPLICATION NUMBER: 60/083558
18 PRIOR FILING DATE: 1998-04-29
19 PRIOR APPLICATION NUMBER: 60/083559
20 PRIOR FILING DATE: 1998-04-29
21 PRIOR APPLICATION NUMBER: 60/083500
22 PRIOR FILING DATE: 1998-04-29
23 PRIOR APPLICATION NUMBER: 60/083742
24 PRIOR FILING DATE: 1998-04-30
25 PRIOR APPLICATION NUMBER: 60/084366
26 PRIOR FILING DATE: 1998-05-05
27 PRIOR APPLICATION NUMBER: 60/084414
28 PRIOR FILING DATE: 1998-05-06
29 PRIOR APPLICATION NUMBER: 60/084441
30 PRIOR FILING DATE: 1998-05-06
31 PRIOR APPLICATION NUMBER: 60/084637
32 PRIOR FILING DATE: 1998-05-07
33 PRIOR APPLICATION NUMBER: 60/084639
34 PRIOR FILING DATE: 1998-05-07
35 PRIOR APPLICATION NUMBER: 60/084640
36 PRIOR FILING DATE: 1998-05-07
37 PRIOR APPLICATION NUMBER: 60/084598
38 PRIOR FILING DATE: 1998-05-07
39 PRIOR APPLICATION NUMBER: 60/084600
40 PRIOR FILING DATE: 1998-5-07
41 PRIOR APPLICATION NUMBER: 60/084627
42 PRIOR FILING DATE: 1998-05-07
43 PRIOR APPLICATION NUMBER: 60/084643
44 PRIOR FILING DATE: 1998-05-07
45 PRIOR APPLICATION NUMBER: 60/085339
46 PRIOR FILING DATE: 1998-05-13
47 PRIOR APPLICATION NUMBER: 60/085338
48 PRIOR FILING DATE: 1998-05-13
49 PRIOR APPLICATION NUMBER: 60/085323
50 PRIOR FILING DATE: 1998-05-13
51 PRIOR APPLICATION NUMBER: 60/085582
52 PRIOR FILING DATE: 1998-05-15
53 PRIOR APPLICATION NUMBER: 60/085700
54 PRIOR FILING DATE: 1998-05-15
55 PRIOR APPLICATION NUMBER: 60/085689
56 PRIOR FILING DATE: 1998-05-15
57 PRIOR APPLICATION NUMBER: 60/085579
58 PRIOR FILING DATE: 1998-05-15
59 PRIOR APPLICATION NUMBER: 60/085580
60 PRIOR FILING DATE: 1998-05-15
61 PRIOR APPLICATION NUMBER: 60/085573
62 PRIOR FILING DATE: 1998-05-15
63 PRIOR APPLICATION NUMBER: 60/085704
64 PRIOR FILING DATE: 1998-05-15
65 PRIOR APPLICATION NUMBER: 60/085697

Query Match 30.9%; Score 1223; DB 11; Length 736;

Best Local Similarity 35.2%; Pred. No. 1.3e-105;

Matches 267; Conservative 145; Mismatches 307; Indels 40; Gaps 18;

QY 2 BAETGSSV--ETGKKANRGTRIAL-VFVGGTFLVLTILF--LVSOGL-LSLQAKQKEYCL 55

DB 7 ELGAGSNVGFQKGTFRQLLGSRTQLELVLAGASLLALLGLCLVALGVQYHRDPSHSICL 66

QY 56 KPECIEAAAAIISKVNLSDPCNFRFACDGMISNNPIPEDMPSYGVYVWLRHNVDLKL 115
Db 67 TEACIRVAGKILSLDRGVSPCEDYQSCGWIIRNPLPDGRSRWNTFNSLWDQONAIL 126
QY 116 KELLEKSISRRTDRAIQAKILYSSCMNEKAIEKADAKPLHLHLRHSPPRPWVLESNIG 175
Db 127 KHLLENT-TFNSSEAEQRTORFYLSCQVERIEELGAQPLRDLI-----EKIG 174
QY 176 P---EGWSEKRSFLLQTLATFRGOYSNVFRLVSPDDKASNEHILKLDQATLSLAVR 232
Db 175 GWNITGPDQDNF--MEVLKAVAGTYRATPFTVYISADSKSSNNVIOVDQSGFLPSR 232
QY 233 EDYLDNSTEAKSYRDALYKFMVDYAVLLGANSRAEHDMKSVLRLEIKIAEMIPH-ENR 291
Db 233 DYVL-NRTANEKVLTAIDYMEELGMLGGRTSTREQMQQVLELEIQLANITVPQDQR 291
QY 292 TSEAMYNKMNISELSAMIPOFDMWLGVIKVVITRIYPLHLKDISPSENVVVRVQYFKDLF 351
Db 292 DEEKIYHKMSISELQALAPSDMWLEFLSLLSP-----LELSDSEPVVYVGM DYLOQVS 345
QY 352 RIIGSERKKTIANIYLVWRMVSRIENLRRFOYRWLEFSRVIOGT-TLLPQWDKCVNFI 410
Db 346 ELINRTEPSILNNYLIWNLVQKTTSSLDPRFESAQEKLETLTYGKSCVPRWQTCISNT 405
QY 411 ESALPYVVGKMFVDYVFOEDKKEMMEELVEGVWAFIDMLEKENEMWADGKTKAKERAR 470
Db 406 DDALGFALGSLFVKATFDQSKIEAGMISEITAFEEAL-GQLVWMDKTRQAARAKAD 464
QY 471 AVLAKEVGPFTIMNDTHVNEDELKAKFSEADYFGNVLTQRYKLAQSDFFWLRKAVPKTEW 530
Db 465 AIYDMIGFDFILEPKELDDVDYGVYEISEDSFFQWMLNLYNFSKVMADQLRKPPSRDQW 524
QY 531 FNTPTTVNAYFASNTQIRFPAGELQKFPFWGTETPRSLSYGAIGVIVGHEFTHGFDNNG 590
Db 525 SMTPTQVNAVYLPTRKNEIVFPAGILQAPFY-ARNHPKALNFGGIGVVMGHELTAFDDQ 583
QY 591 RYDKNGNLDPMWSTESBEKFKETKCMINQYSNVYWKAGLVNKGKTLGENTADNGL 650
Db 584 REYDEKGNLRPWQNESLAARFNHTACMEEQNYQ--QVNGERLNGRQTLGENTADNGL 641
QY 651 REAFRAYRWINDRRQGLEEPLPGITFTNNQJFLFSYAHVRCNSYRPEAAEQVIGAH 710
Db 642 KAAYNAYKAWL--RKHG-EEQQLPAVLGTLNHLFPVGFQAQVWCSVRTPESSHEGLVTDPH 698
QY 711 SPQPRVNGATISNSEEFOKAFNCPPNSTMNRGMDSCRW 749
Db 699 SPARFRVLGTLNSNRDLFLRHFGCPVGPSPNFG-QLCEVM 736

RESULT 11

US-09-978-608A-526
; Sequence 526, Application US/09978608A
; Publication No. US20030045462A1

GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavina, Ivar J.
; APPLICANT: Kuo, Sophia S.

; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James,
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acts Encoding the Same
; FILE REFERENCE: P2630P1C22
; CURRENT APPLICATION NUMBER: US/09/978,608A
; PRIORITY FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 526
; LENGTH: 736
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-978-608A-526

Query Match 30.9%; Score 1223; DB 11; Length 736;
Best Local Similarity 35.2%; Pred. No. 1.3e-105;
Matches 267; Conservative 145; Mismatches 307; Indels 40; Gaps 18;

QY 2 EAETGSSV--ETGKKANRGTRIAL-VVFGVGTTLVLGTILF--LVSOGL-LSLOAKQEYCL 55
Db 7 ELGAGSNVQKQTRQLLGGSTQLELVLAGASLLALLGLCLVALGVQYHRDPSHSTCL 66
QY 56 KPECIEAAAAIISKVNLSDPCNFRFACDGMISNNPIPEDMPSYGVYVWLRHNVDLKL 115
Db 67 TEACIRVAGKILSLDRGVSPCEDYQSCGWIIRNPLPDGRSRWNTFNSLWDQONAIL 126
QY 116 KELLEKSISRRTDRAIQAKILYSSCMNEKAIEKADAKPLHLHLRHSPPRPWVLESNIG 175
Db 127 KHLLENT-TFNSSEAEQRTORFYLSCQVERIEELGAQPLRDLI-----EKIG 174
QY 176 P---EGWSEKRSFLLQTLATFRGOYSNVFRLVSPDDKASNEHILKLDQATLSLAVR 232
Db 175 GWNITGPDQDNF--MEVLKAVAGTYRATPFTVYISADSKSSNNVIOVDQSGFLPSR 232
QY 233 EDYLDNSTEAKSYRDALYKFMVDYAVLLGANSRAEHDMKSVLRLEIKIAEMIPH-ENR 291
Db 233 DYVL-NRTANEKVLTAIDYMEELGMLGGRTSTREQMQQVLELEIQLANITVPQDQR 291
QY 292 TSEAMYNKMNISELSAMIPOFDMWLGVIKVVITRIYPLHLKDISPSENVVVRVQYFKDLF 351
Db 292 DEEKIYHKMSISELQALAPSDMWLEFLSLLSP-----LELSDSEPVVYVGM DYLOQVS 345
QY 352 RIIGSERKKTIANIYLVWRMVSRIENLRRFOYRWLEFSRVIOGT-TLLPQWDKCVNFI 410
Db 346 ELINRTEPSILNNYLIWNLVQKTTSSLDPRFESAQEKLETLTYGKSCVPRWQTCISNT 405
QY 411 ESALPYVVGKMFVDYVFOEDKKEMMEELVEGVWAFIDMLEKENEMWADGKTKAKERAR 470
Db 406 DDALGFALGSLFVKATFDQSKIEAGMISEITAFEEAL-GQLVWMDKTRQAARAKAD 464
QY 471 AVLAKEVGPFTIMNDTHVNEDELKAKFSEADYFGNVLTQRYKLAQSDFFWLRKAVPKTEW 530
Db 465 AIYDMIGFDFILEPKELDDVDYGVYEISEDSFFQWMLNLYNFSKVMADQLRKPPSRDQW 524
QY 531 FNTPTTVNAYFASNTQIRFPAGELQKFPFWGTETPRSLSYGAIGVIVGHEFTHGFDNNG 590
Db 525 SMTPTQVNAVYLPTRKNEIVFPAGILQAPFY-ARNHPKALNFGGIGVVMGHELTAFDDQ 583
QY 591 RYDKNGNLDPMWSTESBEKFKETKCMINQYSNVYWKAGLVNKGKTLGENTADNGL 650
Db 584 REYDEKGNLRPWQNESLAARFNHTACMEEQNYQ--QVNGERLNGRQTLGENTADNGL 641
QY 651 REAFRAYRWINDRRQGLEEPLPGITFTNNQJFLFSYAHVRCNSYRPEAAEQVIGAH 710
Db 642 KAAYNAYKAWL--RKHG-EEQQLPAVLGTLNHLFPVGFQAQVWCSVRTPESSHEGLVTDPH 698

Db 233 DYVL-NRTANEKVLTAVDYMEELGMLGRPTSTREOMQQVLEBIQLANITVPODQR 291
Qy 292 TSEAMYNKMIISLSAMIQFQWLGVIKVIDTRLYPHLKDIPSENWVVRVPOYFKDLF 351
Db 292 DEKIYHKMSISELQALASMDWLEFLSLSP-----LELSDSPVYVYGYDYLQOVS 345
Qy 352 RILGSRKKTITANYLVWRVYSRPNLSRRFOYRWLEFSRVIQGT-TTLTPQWDKCVNFI 410
Db 346 ELINRTEPSILNNYLIWNLVQKTTSSLDRRFESAQEKLETLTYGTTKKSCVPRWQTCSINT 405
Qy 411 ESALPYVVGOMFVDVYFQEDKKEMMELVEGVFWAFIDMLEKENENWMDAGTKKAKKAKAR 470
Db 406 DDALGFALGSLFVKATFDROSKEIAEGMISEITAFEEAL-GOLVWMDKTRQAAKAKAD 464
Qy 471 AVLAKGYPEFIMNDTHVNEDLKAIRFSEADYFGNVLTQTRKYLAQSDFFWLRKAVPKTEW 530
Db 465 AIYDMIGFPDFILEPKLEDVDYDYEISEDSFFQNNMLNLYNFSKVMADQLRPPSRDQW 524
Qy 531 FTNPTVNAFYSASTNQIRPPAGELOKPFPWGTETYPRLSYGAIGVIVGHEFTGDNNG 590
Db 525 SMTPTQTVNAVYLPTEINEIVPPAGILQAPFY-ARNHPKALNFGGIVVMGHELTTHAPDQO 583
Qy 591 RYDNGNLDPMWSTSEEEKFKTKCMINQYNYWKAGLVKAGLVKRTLGENDKGL 650
Db 584 REYDKGNLDPWQNESLAAFRNHTACMBEQYQY--QYNGERLNGRQTLGENTDNGGL 641
Qy 651 REAFRAYRWINDRRQGLEPPLPGITFTTNQNLFFLSYAHVRCNSYRPEAREQVQIGAH 710
Db 642 KAAYNAYKAWL--RKHG-EQQLPAVGLTNHQLFFVFGAQVWCSVRTPESSHEGLVTDPH 698
Qy 711 SPPOFRVNGAISNBEFQKAFNCPNPNSTNMRGMDSCRLW 749
Db 699 SPARFVLGTLSNRDLRHFPGCPVSPMNPQ-QLCEVW 736

RESULT 13

US-09-978-191A-526
; Sequence 526, Application US/09978191A
; Publication No. US20030050239A1
; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC4
; CURRENT APPLICATION NUMBER: US/09/978,191A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585

Qy 711 SPPOFRVNGAISNBEFQKAFNCPNPNSTNMRGMDSCRLW 749
Db 699 SPARFVLGTLSNRDLRHFPGCPVSPMNPQ-QLCEVW 736

RESULT 12

US-09-978-585A-526
; Sequence 526, Application US/09978585A
; Publication No. US20030049633A1
; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC15
; CURRENT APPLICATION NUMBER: US/09/978,585A
; CURRENT FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 526
; LENGTH: 736
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-978-585A-526

Query Match 30.9%; Score 1223; DB 11; Length 736;
Best Local Similarity 35.2%; Pred. No. 1.3e-105;
Matches 267; Conservative 145; Mismatches 307; Indels 40; Gaps 18;

Qy 2 EARTGSSV--ETGKKANRGTIAL-VVFGVGTILVLTILF--LVSQGL-LSLQAKQEVCL 55
Db 7 ELGAGSNVGFQXGTRQLLGSRTQLEVLVLAGASILLALLGLVALGVQYHRDPSHSTCL 66
Qy 56 KPECIAAAAILSKVNLSDPCNFRFACDGIWNNIPEDWPSGVYVYVWLRHNVDLKL 115
Db 67 TEACIRVAGKILIESDRGVSPCEDFYQCGGWIRNPLPDGRSRWNTNSLWDQONQAIL 126
Qy 116 KELLEKSISRRDTEAIOKAKILYSSCMNEKAEKADAKPLHLHRHSPRPWPVLESNIG 175
Db 127 KHELENT-IFNSSEAEQKTFQYLSCLQVERIEELGAQPLRDLI-----EKIG 174
Qy 176 P---EGVWSEKESLLOTLATFGQYSNVFVLYSPDOKASNEHLKLDQATLSLAVR 232
Db 175 GWNITGPDNDNF--MEVLKAVAGTTRATPFTFTVLSADKSSNSNVIOVDQSGFLPSR 232
Qy 233 EDYLDNSTEAKSYRDALYKFMVDVTAVLLGANSRAEHDMKSVLRLEIKIAEIMIPH-ENR 291

1	PRIOR FILING DATE: 2001-07-30	2	PRIOR APPLICATION NUMBER: 60/081222
3	PRIOR FILING DATE: 1998-04-09	4	PRIOR FILING DATE: 1998-04-09
5	PRIOR FILING DATE: 1997-10-17	6	PRIOR APPLICATION NUMBER: 60/081955
7	PRIOR FILING DATE: 1997-10-17	8	PRIOR FILING DATE: 1998-04-15
9	PRIOR FILING DATE: 1997-11-03	10	PRIOR APPLICATION NUMBER: 60/081917
11	PRIOR FILING DATE: 1997-11-13	12	PRIOR FILING DATE: 1998-04-15
13	PRIOR FILING DATE: 1997-11-13	14	PRIOR APPLICATION NUMBER: 60/081819
15	PRIOR FILING DATE: 1997-11-21	16	PRIOR FILING DATE: 1998-04-15
17	PRIOR FILING DATE: 1998-03-10	18	PRIOR APPLICATION NUMBER: 60/081952
19	PRIOR FILING DATE: 1998-03-10	20	PRIOR FILING DATE: 1998-04-15
21	PRIOR FILING DATE: 1998-03-11	22	PRIOR APPLICATION NUMBER: 60/081838
23	PRIOR FILING DATE: 1998-03-11	24	PRIOR FILING DATE: 1998-04-15
25	PRIOR FILING DATE: 1998-03-11	26	PRIOR APPLICATION NUMBER: 60/082568
27	PRIOR FILING DATE: 1998-03-11	28	PRIOR FILING DATE: 1998-04-21
29	PRIOR FILING DATE: 1998-03-11	30	PRIOR APPLICATION NUMBER: 60/082569
31	PRIOR FILING DATE: 1998-03-11	32	PRIOR FILING DATE: 1998-04-21
33	PRIOR FILING DATE: 1998-03-12	34	PRIOR APPLICATION NUMBER: 60/082704
35	PRIOR FILING DATE: 1998-03-12	36	PRIOR FILING DATE: 1998-04-22
37	PRIOR FILING DATE: 1998-03-13	38	PRIOR APPLICATION NUMBER: 60/082804
39	PRIOR FILING DATE: 1998-03-13	40	PRIOR FILING DATE: 1998-04-22
41	PRIOR FILING DATE: 1998-03-20	42	PRIOR APPLICATION NUMBER: 60/082700
43	PRIOR FILING DATE: 1998-03-20	44	PRIOR FILING DATE: 1998-04-22
45	PRIOR FILING DATE: 1998-03-20	46	PRIOR APPLICATION NUMBER: 60/082797
47	PRIOR FILING DATE: 1998-03-20	48	PRIOR FILING DATE: 1998-04-22
49	PRIOR FILING DATE: 1998-03-20	50	PRIOR APPLICATION NUMBER: 60/082796
51	PRIOR FILING DATE: 1998-03-20	52	PRIOR FILING DATE: 1998-04-23
53	PRIOR FILING DATE: 1998-03-25	54	PRIOR APPLICATION NUMBER: 60/083336
55	PRIOR FILING DATE: 1998-03-25	56	PRIOR FILING DATE: 1998-04-27
57	PRIOR FILING DATE: 1998-03-26	58	PRIOR APPLICATION NUMBER: 60/083322
59	PRIOR FILING DATE: 1998-03-27	60	PRIOR FILING DATE: 1998-04-28
61	PRIOR FILING DATE: 1998-03-27	62	PRIOR APPLICATION NUMBER: 60/083392
63	PRIOR FILING DATE: 1998-03-27	64	PRIOR FILING DATE: 1998-04-29
65	PRIOR FILING DATE: 1998-03-27	66	PRIOR APPLICATION NUMBER: 60/083495
67	PRIOR FILING DATE: 1998-03-27	68	PRIOR FILING DATE: 1998-04-29
69	PRIOR FILING DATE: 1998-03-27	70	PRIOR APPLICATION NUMBER: 60/083496
71	PRIOR FILING DATE: 1998-03-27	72	PRIOR FILING DATE: 1998-04-29
73	PRIOR FILING DATE: 1998-03-27	74	PRIOR APPLICATION NUMBER: 60/083499
75	PRIOR FILING DATE: 1998-03-27	76	PRIOR FILING DATE: 1998-04-29
77	PRIOR FILING DATE: 1998-03-27	78	PRIOR APPLICATION NUMBER: 60/083545
79	PRIOR FILING DATE: 1998-03-27	80	PRIOR FILING DATE: 1998-04-29
81	PRIOR FILING DATE: 1998-03-27	82	PRIOR APPLICATION NUMBER: 60/083554
83	PRIOR FILING DATE: 1998-03-27	84	PRIOR FILING DATE: 1998-04-29
85	PRIOR FILING DATE: 1998-03-30	86	PRIOR APPLICATION NUMBER: 60/083558
87	PRIOR FILING DATE: 1998-03-30	88	PRIOR FILING DATE: 1998-04-29
89	PRIOR FILING DATE: 1998-03-30	90	PRIOR APPLICATION NUMBER: 60/083559
91	PRIOR FILING DATE: 1998-03-31	92	PRIOR FILING DATE: 1998-04-29
93	PRIOR FILING DATE: 1998-03-31	94	PRIOR APPLICATION NUMBER: 60/083500
95	PRIOR FILING DATE: 1998-03-31	96	PRIOR FILING DATE: 1998-04-29
97	PRIOR FILING DATE: 1998-03-31	98	PRIOR APPLICATION NUMBER: 60/083742
99	PRIOR FILING DATE: 1998-03-31	100	PRIOR FILING DATE: 1998-04-30
101	PRIOR FILING DATE: 1998-03-31	102	PRIOR APPLICATION NUMBER: 60/084366
103	PRIOR FILING DATE: 1998-03-31	104	PRIOR FILING DATE: 1998-05-05
105	PRIOR FILING DATE: 1998-03-31	106	PRIOR APPLICATION NUMBER: 60/084414
107	PRIOR FILING DATE: 1998-04-01	108	PRIOR FILING DATE: 1998-05-06
109	PRIOR FILING DATE: 1998-04-01	110	PRIOR APPLICATION NUMBER: 60/084441
111	PRIOR FILING DATE: 1998-04-01	112	PRIOR FILING DATE: 1998-05-06
113	PRIOR FILING DATE: 1998-04-01	114	PRIOR APPLICATION NUMBER: 60/084637
115	PRIOR FILING DATE: 1998-04-01	116	PRIOR FILING DATE: 1998-05-07
117	PRIOR FILING DATE: 1998-04-01	118	PRIOR APPLICATION NUMBER: 60/084639
119	PRIOR FILING DATE: 1998-04-08	120	PRIOR FILING DATE: 1998-05-07
121	PRIOR FILING DATE: 1998-04-08	122	PRIOR APPLICATION NUMBER: 60/084640
123	PRIOR FILING DATE: 1998-04-08	124	PRIOR FILING DATE: 1998-05-07
125	PRIOR FILING DATE: 1998-04-08	126	PRIOR APPLICATION NUMBER: 60/084598
127	PRIOR FILING DATE: 1998-04-08	128	PRIOR FILING DATE: 1998-05-07
129	PRIOR FILING DATE: 1998-04-08	130	PRIOR APPLICATION NUMBER: 60/084600
131	PRIOR FILING DATE: 1998-04-08	132	PRIOR FILING DATE: 1998-05-07
133	PRIOR FILING DATE: 1998-04-08	134	PRIOR

```

Db          699 SPARFVLTLSNRSDFLRHFCPCVPGSPMNPQ-QLCEVM 71
RESULT 14
US-09-978-403A-526
; Sequence 526, Application US/09978403A
; Publication No. US20030050240A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC17
; CURRENT APPLICATION NUMBER: US/09/978,403A
; CURRENT FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/078004
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: 60/078886
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078936
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078939
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656

```

1 PRIOR FILING DATE: 1998-03-26
2 PRIOR APPLICATION NUMBER: 60/079664
3 PRIOR FILING DATE: 1998-03-27
4 PRIOR APPLICATION NUMBER: 60/079669
5 PRIOR FILING DATE: 1998-03-27
6 PRIOR APPLICATION NUMBER: 60/079663
7 PRIOR FILING DATE: 1998-03-27
8 PRIOR APPLICATION NUMBER: 60/079728
9 PRIOR FILING DATE: 1998-03-27
10 PRIOR APPLICATION NUMBER: 60/079786
11 PRIOR FILING DATE: 1998-03-27
12 PRIOR APPLICATION NUMBER: 60/079920
13 PRIOR FILING DATE: 1998-03-30
14 PRIOR APPLICATION NUMBER: 60/079923
15 PRIOR FILING DATE: 1998-03-30
16 PRIOR APPLICATION NUMBER: 60/080105
17 PRIOR FILING DATE: 1998-03-31
18 PRIOR APPLICATION NUMBER: 60/080107
19 PRIOR FILING DATE: 1998-03-31
20 PRIOR APPLICATION NUMBER: 60/080165
21 PRIOR FILING DATE: 1998-03-31
22 PRIOR APPLICATION NUMBER: 60/080194
23 PRIOR FILING DATE: 1998-03-31
24 PRIOR APPLICATION NUMBER: 60/080327
25 PRIOR FILING DATE: 1998-04-01
26 PRIOR APPLICATION NUMBER: 60/080328
27 PRIOR FILING DATE: 1998-04-01
28 PRIOR APPLICATION NUMBER: 60/080333
29 PRIOR FILING DATE: 1998-04-01
30 PRIOR APPLICATION NUMBER: 60/080334
31 PRIOR FILING DATE: 1998-04-01
32 PRIOR APPLICATION NUMBER: 60/081070
33 PRIOR FILING DATE: 1998-04-08
34 PRIOR APPLICATION NUMBER: 60/081049
35 PRIOR FILING DATE: 1998-04-08
36 PRIOR APPLICATION NUMBER: 60/081071
37 PRIOR FILING DATE: 1998-04-08
38 PRIOR APPLICATION NUMBER: 60/081195
39 PRIOR FILING DATE: 1998-04-08
40 PRIOR APPLICATION NUMBER: 60/081203
41 PRIOR FILING DATE: 1998-04-09
42 PRIOR APPLICATION NUMBER: 60/081229
43 PRIOR FILING DATE: 1998-04-09
44 PRIOR APPLICATION NUMBER: 60/081955
45 PRIOR FILING DATE: 1998-04-15
46 PRIOR APPLICATION NUMBER: 60/081817
47 PRIOR FILING DATE: 1998-04-15
48 PRIOR APPLICATION NUMBER: 60/081819
49 PRIOR FILING DATE: 1998-04-15
50 PRIOR APPLICATION NUMBER: 60/081952
51 PRIOR FILING DATE: 1998-04-15
52 PRIOR APPLICATION NUMBER: 60/081838
53 PRIOR FILING DATE: 1998-04-15
54 PRIOR APPLICATION NUMBER: 60/082568
55 PRIOR FILING DATE: 1998-04-21
56 PRIOR APPLICATION NUMBER: 60/082569
57 PRIOR FILING DATE: 1998-04-21
58 PRIOR APPLICATION NUMBER: 60/082704
59 PRIOR FILING DATE: 1998-04-22
60 PRIOR APPLICATION NUMBER: 60/082804
61 PRIOR FILING DATE: 1998-04-22
62 PRIOR APPLICATION NUMBER: 60/082700
63 PRIOR FILING DATE: 1998-04-22
64 PRIOR APPLICATION NUMBER: 60/082797
65 PRIOR FILING DATE: 1998-04-22
66 PRIOR APPLICATION NUMBER: 60/082796
67 PRIOR FILING DATE: 1998-04-23
68 PRIOR APPLICATION NUMBER: 60/083336
69 PRIOR FILING DATE: 1998-04-27
70 PRIOR APPLICATION NUMBER: 60/083322
71 PRIOR FILING DATE: 1998-04-28
72 PRIOR APPLICATION NUMBER: 60/083392
73 PRIOR FILING DATE: 1998-04-29

1 PRIOR APPLICATION NUMBER: 60/083495
2 PRIOR FILING DATE: 1998-04-29
3 PRIOR APPLICATION NUMBER: 60/083496
4 PRIOR FILING DATE: 1998-04-29
5 PRIOR APPLICATION NUMBER: 60/083499
6 PRIOR FILING DATE: 1998-04-29
7 PRIOR APPLICATION NUMBER: 60/083545
8 PRIOR FILING DATE: 1998-04-29
9 PRIOR APPLICATION NUMBER: 60/083554
10 PRIOR FILING DATE: 1998-04-29
11 PRIOR APPLICATION NUMBER: 60/083558
12 PRIOR FILING DATE: 1998-04-29
13 PRIOR APPLICATION NUMBER: 60/083559
14 PRIOR FILING DATE: 1998-04-29
15 PRIOR APPLICATION NUMBER: 60/083500
16 PRIOR FILING DATE: 1998-04-29
17 PRIOR APPLICATION NUMBER: 60/083742
18 PRIOR FILING DATE: 1998-04-30
19 PRIOR APPLICATION NUMBER: 60/084366
20 PRIOR FILING DATE: 1998-05-05
21 PRIOR APPLICATION NUMBER: 60/084414
22 PRIOR FILING DATE: 1998-05-06
23 PRIOR APPLICATION NUMBER: 60/084441
24 PRIOR FILING DATE: 1998-05-06
25 PRIOR APPLICATION NUMBER: 60/084637
26 PRIOR FILING DATE: 1998-05-07
27 PRIOR APPLICATION NUMBER: 60/084639
28 PRIOR FILING DATE: 1998-05-07
29 PRIOR APPLICATION NUMBER: 60/084640
30 PRIOR FILING DATE: 1998-05-07
31 PRIOR APPLICATION NUMBER: 60/084598
32 PRIOR FILING DATE: 1998-05-07
33 PRIOR APPLICATION NUMBER: 60/084600
34 PRIOR FILING DATE: 1998-05-07
35 PRIOR APPLICATION NUMBER: 60/084627
36 PRIOR FILING DATE: 1998-05-07
37 PRIOR APPLICATION NUMBER: 60/084643
38 PRIOR FILING DATE: 1998-05-07
39 PRIOR APPLICATION NUMBER: 60/085339
40 PRIOR FILING DATE: 1998-05-13
41 PRIOR APPLICATION NUMBER: 60/085338
42 PRIOR FILING DATE: 1998-05-13
43 PRIOR APPLICATION NUMBER: 60/085323
44 PRIOR FILING DATE: 1998-05-13
45 PRIOR APPLICATION NUMBER: 60/085582
46 PRIOR FILING DATE: 1998-05-15
47 PRIOR APPLICATION NUMBER: 60/085700
48 PRIOR FILING DATE: 1998-05-15
49 PRIOR APPLICATION NUMBER: 60/085689
50 PRIOR FILING DATE: 1998-05-15
51 PRIOR APPLICATION NUMBER: 60/085579
52 PRIOR FILING DATE: 1998-05-15
53 PRIOR APPLICATION NUMBER: 60/085580
54 PRIOR FILING DATE: 1998-05-15
55 PRIOR APPLICATION NUMBER: 60/085573
56 PRIOR FILING DATE: 1998-05-15
57 PRIOR APPLICATION NUMBER: 60/085704
58 PRIOR FILING DATE: 1998-05-15
59 PRIOR APPLICATION NUMBER: 60/085697

Query Match 30.9%, Score 1223, DB 11, Length 736;

Best Local Similarity 35.2%, Pred. No. 1.3e-105;

Matches 267; Conservative 145; Mismatches 307; Indels 40; Gaps 18;

Qy 2 BAETGSSV--ETGKANRGTRIAL-VVFGVGTLLVLTILF--LVSOGL-LSLQAKQEVCL 55

Db 7 ELGAGSNVGFQKGRQLLGSRTQLVLGASLLAALLGLCLVALGVQYHRDPESHSTCL 66

Qy 56 KPECIEAAAAAILSKVNLSDPCDNFFACDPIEDMPSYGVYPWLRHNVDLK 115

Db 67 TEACIRVAGKILESIDRGVSPCEDFYCFSCGWRIRNPIDGSRWNTFSLWDQNAI 126

Qy 116 KELLEKISRRRDETEALQKAKILYSSCMNEKATEKADAKPLHLRHSPFRWPVLESNIG 175

Db 127 KHLLENT-TFNSSEAEQKTFYJSCLOVERIEBGAQPLRDLI-----EKIG 174
Qy 176 P---EGWSEKESLQTLATFRGOYSNVFIRLYVSPDKASNEHILKLDQATLSLAVR 232
Db 175 GWNITGPWODNF--NEVLKAVAGTYRATPFFTVYISADSKSSNSNVIQVDQSGFLPSR 232
Qy 233 EDYLDNSTAKSYRDALYKPMVDATVLLGANSRAEHDMKSVLRLEIKIAEIMIPH-ENR 291
Db 233 DYVL-NRTANEKVLTAIDYMEELGMLGGRPTSTREOMQOVLLEBIQANITVQDQRR 291
Qy 292 TSEAMYNXNISLSAMIPDFMGLGVKIKVIDTRLYPHLKDIDSPSNVVRVPQFKDLF 351
Db 292 DEKIYKMSISLQALAFMSDWLEFLSLP-----LELSDSEPVVYVGMVYDLYQVYS 345
Qy 352 RILGSEKKTIANLYVRMYVSIPINLRRPQYRWLEFSRVIOGT-TTLLPQWDKCVNFI 410
Db 346 ELINRTEPSILNLYLWNLVQKTTSSLDRRFESAQBKLETLVGTKKSCVPRMOTCISNT 405
Qy 411 ESALPYVVGKMFVDVYFQEDKKEMMEBELVGVWAFIDMLEKENEMWDAGTKRKAKERAR 470
Db 406 DDALGFALGSLFYKATFDROSKIEAGMISEIRTAEEAL-GQLVWVDEKTRQAAKEKAD 464
Qy 471 AVLAKVGYEPIFNQDTHVNEIDLKAIKFESEADYFCNVLOTRKYLAQSDFFWLKRAVPTBW 530
Db 465 AIYDMIGFDFIPEKLEDDVYDGYEISEDSFFQNNLNLNYSKAYMADQLRKPPSRDQM 524
Qy 531 FTMPTVNAFYSASTNQIRPAGELQKPFPGWTEYPRSLSYGAIGVIVGHEFTGHDNNG 590
Db 525 SMTPOITVNAVLYTKNEIVPEAGILCAPFY-ARNHPKALNFGGIVGMVGHETHAFDDQG 583
Qy 591 RYDKXGNLDPWVSTSESEKFKSKTKMKNQYNYWKAGLVNKKRILGENIADNGGL 650
Db 584 REYDKGNLPRMWNESLAFRHNHTACMEEQYQY--QVNGERLNGRQTLGENITDNGGL 641
Qy 651 REAFRAYKVINDRQGLPEPLPGTITFTNNQLFSLYAHVRCNSYRPEAREBOVQIGAH 710
Db 642 KAAYNAYKAWL--RKHG-EQOQLPAVLNTHQILFFVFGAQVWCVSVPTESSHEGLVTDPH 698
Qy 711 SPQFVRVNGAISNEEFQKAFNCPNPNSTMMRGVDSCLRW 749
Db 699 SPARFVLGTLNSRDLRHFEGCPVSPMNPQ-QLCEVW 736

RESULT 15

US-09-978-564A-526
Sequence 526, Application US/09978564A

Publication No. US20030050241A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gottsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.

APPLICANT: Tamas, Daniel
APPLICANT: Williams, P. Mickey
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C25
CURRENT APPLICATION NUMBER: US/09/978,564A
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070

```

; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081071
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081203
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081299
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081817
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081952
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082700
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082796
; PRIOR FILING DATE: 1998-04-23
; PRIOR APPLICATION NUMBER: 60/083336
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083392
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083545
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083554
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083558
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083500
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083742
; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084598
; PRIOR FILING DATE: 1998-05-07

; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match      30.9%; Score 1223; DB 11; Length 736;
Best Local Similarity 35.2%; Pred. No. 1.3e-105;
Matches 267; Conservative 145; Mismatches 307; Indels 40; Gaps 18;

QY      2 EAETGSSV--ETGKKANRGTRIAL-VVFVGGLTVLGTILF--LVSQGL--LSLQAKQOEYCL 55
      7 ELGAGSNVGFQKGTQQLLGSRTQLELVLAGASLLAALLGLCLVALGYQYHRDPSHSTCL 66
QY      56 KPECIEAAAAIILKVNLSVDPDCNPFACDGMISNNPIPEDMPSYGVYVWLRHNVDLKL 115
      67 TEACIRVAGKILESIDRGVSPCEDFYFCGGMIRRNPLPDGRSRWNTFNSLDQNOAIL 126
QY      116 KELLEKSISRERDTEATQXAKILYSSCWNKAKAIDAKPLHLHLRHSPPFPVLESNIG 175
      127 KHLLENT--TFNSSEAEQKTORFYLSCLOVERISELGAQPLRDLI-----EKIG 174
QY      176 P---EGVMSERKFSLLQTLATFRQYNSVFIIRLYSPDDKASNEHILKLDQATLSLAVR 232
      175 GWNITGPMWQDNF--MEVLKAVAGTYRATPFTVVISADSKSSNSNVIQVDSGLFLPSR 232
QY      233 EDYLDNSTEAKSYRDALYKFMVDTAVILGANSSRAEHDMSKSVLEIKIAEIMIPH--ENR 291
      233 DYLL--NRTANEKVLTAYLDYMEELGMLLGGPTSTREQMOQVLELEIQLANITYPQDQRR 291
QY      292 TSEAMYNKONI--SELSAMITPOFDWLGVIKKVIDTRLYPHLKDISENSNVVVRVPOYFKDLF 351
      292 DEEKIYHKMSISELQALAPSDMWLEFLSLSP-----LELSDSEPVVYVGYMDYLOQVS 345
QY      352 RILGSEKKTITANYLVWRMYSRIPNLSRRPQYRWLFEFSRVIOQT--TLTLPQWPKCVNFI 410
      346 ELINRTEFSLNLYLWNLVQKTTSSLDRRFESAQEKLLLETLYGTKKSCVFRWQTCISNT 405
QY      411 ESALPYVVGKMFVDVYFQEDKKEMMEELVEGVRWAFIDMLEKENEWMDAGTKRKAKEKAR 470
      406 DDALGFALGSLFVKATFDROSKEIAEGWISIRTAFEAL--GQLVWDEKTRQAAKEKAD 464
QY      471 AVLAKVGPFIWMDTHVNEDLKAIFSEADYFQNVLOTRKYLAQSDFFWLRKAVPTEW 530
      465 AIYDMIGFPDPILEPKELDDVDYGYEISEDSFFQNMNLNFYNSAKVMADQLRKPPSDQW 524
QY      531 FTNPTTVNAPYSASTNOIRPPAGELQKPFEGWTEYBPSLSYGAIGVIVGHEFTGFRDNG 590
      525 SMTPTVNAYLPTKNEIVFPAGILQAPFY--ARNHPKALNFGGIGVWVGHETLHAFDDQG 583
QY      591 RKYDKNGNLDPMWSTESESEKFEKTKCMINQYNSYWKAGLVNKGKRTLGENIADNGGL 650

```

584 REYDKCENLSPWQNESLAAFRNHTACMEEQYNY--QVNGERLNGRQTLGENITDNGGL 641
651 REAFRAYKWKINDRROGLEEPLLPGITFTNNQLFFLSYAHVRCNSYRPEAAREQVQIGAH 710
642 KAYNAYKAWL--RKHG-BEQQLPAVGLTNHQLFFVGFAQVWCSTPSSHEGLVTDPH 698
711 SPQFRVNGAISNSEEFQKAFNCPPNSTMNRGMDSCRLW 749
699 SPARFRVLGTLSNSRDLRHFHGGCPVGSMPNPG-QLCEVW 736

Search completed: December 3, 2003, 07:30:23
Job time : 500.375 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: December 3, 2003, 07:21:37 ; Search time 0.627451 Seconds
(without alignments)
1078.927 Million cell updates/sec

Title: US-09-913-955A-4

Perfect score: 72

Sequence: 1 VLTVIAQQTTSQGLLS 16

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:*

1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*

2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

result No.	Score	Query Match	Length	DB ID	Description
1	41	56.9	283	4	US-09-198-452A-424
2	37	51.4	206	4	US-09-107-532A-3801
3	37	51.4	3433	4	US-09-031-501B-10
4	36	50.0	361	4	US-09-252-991A-30426
5	36	50.0	454	4	US-09-252-991A-30164
6	35	48.6	132	4	US-09-198-452A-573
7	35	48.6	625	4	US-09-252-991A-26336
8	35	48.6	705	4	US-09-328-352-4457
9	35	48.6	803	4	US-09-252-991A-19492
10	34.5	47.9	418	4	US-09-724-623-106
11	34	47.2	1034	4	US-09-252-991A-28921
12	34	47.2	1627	4	US-09-328-352-6604
13	33	45.8	438	4	US-09-252-991A-18710
14	33	45.8	453	4	US-09-252-991A-17641
15	33	45.8	459	2	US-08-870-518-4
16	33	45.8	476	3	US-08-624-635-5
17	33	45.8	749	4	US-09-252-991A-16877
18	33	45.8	2004	1	US-08-375-709-15
19	33	45.8	2004	1	US-08-752-929-15
20	33	45.8	2004	3	US-09-090-793-9
21	33	45.8	2004	4	US-09-231-889-9
22	32.5	45.1	894	3	US-08-362-525-22
23	32.5	45.1	894	3	US-08-971-692-15
24	32.5	45.1	1537	1	US-08-325-267A-2
25	32	44.4	132	6	5164490-7
26	32	44.4	195	4	US-09-252-991A-21069
27	32	44.4	197	4	US-09-602-877A-99

28	44.4	206	4	US-09-996-243-403	Sequence 403, App
29	44.4	206	6	5164490-1	Patent No. 5164490
30	44.4	245	4	US-09-252-991A-28029	Sequence 28029, A
31	44.4	255	2	US-08-685-992-16	Sequence 16, Appl
32	44.4	255	2	US-09-144-925-16	Sequence 16, Appl
33	44.4	271	4	US-09-328-352-5629	Sequence 5629, Ap
34	44.4	288	4	US-09-252-991A-17419	Sequence 17419, A
35	44.4	292	4	US-09-134-001C-3301	Sequence 3301, Ap
36	44.4	307	3	US-08-812-586-2	Sequence 2, Appl
37	44.4	307	3	US-09-535-832A-2	Sequence 2, Appl
38	44.4	316	4	US-09-328-352-6805	Sequence 6805, Ap
39	44.4	317	4	US-08-976-063E-6	Sequence 6, Appl
40	44.4	408	4	US-09-107-532A-6253	Sequence 6253, Ap
41	44.4	418	4	US-09-252-991A-20913	Sequence 20913, A
42	44.4	420	2	US-08-466-103A-2	Sequence 2, Appl
43	44.4	438	4	US-09-252-991A-28398	Sequence 28398, A
44	44.4	455	4	US-09-328-352-5839	Sequence 5839, Ap
45	44.4	460	4	US-09-252-991A-28610	Sequence 28610, A

ALIGNMENTS

RESULT 1

US-09-198-452A-424

; Sequence 424, Application US/09198452A

; Patent No. 6559294

; GENERAL INFORMATION:

; APPLICANT: Griflais, R.

; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment

; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prev

; FILE REFERENCE: 9710-003-999

; CURRENT FILING DATE: 1998-11-24

; NUMBER OF SEQ ID NOS: 5849

; SEQ ID NO 424

; LENGTH: 283

; TYPE: PRT

; ORGANISM: Chlamydia pneumoniae

US-09-198-452A-424

Query Match

Best Local Similarity 56.9%; Score 41; DB 4; Length 283;

Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY

1 VLTVIAQQTTSQ 13

162 LLSLVSQMTTSQ 174

RESULT 2

US-09-107-532A-3801

; Sequence 3801, Application US/09107532A

; Patent No. 6583275

; GENERAL INFORMATION:

; APPLICANT: Lynn A Doucette-Stamm and David Bush

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO

; CORRESPONDENCE ADDRESS: ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS

; NUMBER OF SEQUENCES: 7310

; ADDRESS: GENOME THERAPEUTICS CORPORATION

; STREET: 100 Beaver Street

; CITY: Waltham

; STATE: Massachusetts

; COUNTRY: USA

; ZIP: 02354

; COMPUTER READABLE FORM:

; MEDIUM TYPE: CD/ROM ISO9660

; COMPUTER: PC

; OPERATING SYSTEM: <Unknown>

; SOFTWARE: ASCII

; CURRENT APPLICATION DATA:

Query Match 51.4%; Score 37; DB 4; Length 3433;
Best Local Similarity 53.8%; Pred. No. 7.8e+02;
Matches 7; Conservative 4; Mismatches 2; Indels

RESULT 6
US-09-198-452A-573
Sequence 573, Application US/09198452A
Patent No. 6559294
GENERAL INFORMATION:

APPLICANT: Griffais, R.
 TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments thereof and uses thereof, in particular for the diagnosis, prevention of infection and treatment of infection

FILE REFERENCE: 9710-003-999
 CURRENT APPLICATION NUMBER: US/09/198,452A
 CURRENT FILING DATE: 1998-11-24
 NUMBER OF SEQ ID NOS: 6849

SEQ ID NO 573
 LENGTH: 132
 TYPE: PRT
 ORGANISM: Chlamydia pneumoniae

US-09-198-452A-573

Query Match 48.6%; Score 35; DB 4; Length 132;

Best Local Similarity 53.3%; Pred. No. 35; Indels 0; Gaps 0;
 Matches 8; Conservative 3; Mismatches 4

QY 2 LTVIAQQTTSQGLLS 16

DB 116 MTKVAEQEFEXGLLS 130

RESULT 7

US-09-252-991A-26336
 Sequence 26336, Application US/09252991A
 Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 26336

LENGTH: 625

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-26336

Query Match 48.6%; Score 35; DB 4; Length 625;

Best Local Similarity 50.0%; Pred. No. 2.3e+02;
 Matches 8; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 1 VLTVIAQQTTSQGLLS 16

DB 365 MLTTFQAQTDQAFFLN 380

RESULT 8

US-09-328-352-4457

Sequence 4457, Application US/09328352

Patent No. 6562958

GENERAL INFORMATION:

APPLICANT: Gary L. Berton et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: GTC99-03PA

CURRENT APPLICATION NUMBER: US/09/328,352

CURRENT FILING DATE: 1999-06-04

NUMBER OF SEQ ID NOS: 8252

SEQ ID NO 4457

LENGTH: 705

TYPE: PRT

ORGANISM: Acinetobacter baumannii

US-09-328-352-4457

Query Match 48.6%; Score 35; DB 4; Length 705;

Best Local Similarity 43.8%; Pred. No. 2.7e+02;
 Matches 7; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

QY 1 VLTVIAQQTTSQGLLS 16

DB 435 MLTVLAQEVGESSILS 450

RESULT 9

US-09-252-991A-19492

Sequence 19492, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 19492

LENGTH: 803

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-19492

Query Match 48.6%; Score 35; DB 4; Length 803;

Best Local Similarity 46.2%; Pred. No. 3.1e+02;
 Matches 6; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 3 TVIAQQTTSQGLL 15

DB 352 TLVARRSQQLV 364

RESULT 10

US-09-724-623-106

Sequence 106, Application US/09724623

Patent No. 6476209

GENERAL INFORMATION:

APPLICANT: Glenn, Matthew

APPLICANT: Lubbers, Mark W

APPLICANT: Dekker, James

TITLE OF INVENTION: Polynucleotides, materials incorporating them, and methods for using them.

FILE REFERENCE: 104801

CURRENT APPLICATION NUMBER: US/09/724,623

CURRENT FILING DATE: 2000-11-28

NUMBER OF SEQ ID NOS: 124

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 106

LENGTH: 418

TYPE: PRT

ORGANISM: Lactobacillus rhamnosus

US-09-724-623-106

Query Match 47.9%; Score 34.5; DB 4; Length 418;

Best Local Similarity 52.9%; Pred. No. 1.8e+02;
 Matches 9; Conservative 4; Mismatches 1; Indels 3; Gaps 1;

QY 3 TVIAQQTTSQ---GLLS 16

DB 20 TVLSQTTTAQKNAGLLA 36

RESULT 11

US-09-252-991A-28921

Sequence 28921, Application US/09252991A

Patent No. 6551795

```

; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 28921
; LENGTH: 1034
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28921

Query Match 47.2%; Score 34; DB 4; Length 1034;
Best Local Similarity 54.5%; Pred. No. 6.5e+02;
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 5 TAQQTSSQGLL 15
DB 816 LADQSTDOGLI 826

RESULT 12
US-09-328-352-6604
; Sequence 6604, Application US/09128352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GT099-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 6604
; LENGTH: 1627
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-6604

Query Match 47.2%; Score 34; DB 4; Length 1627;
Best Local Similarity 50.0%; Pred. No. 1.1e+03;
Matches 8; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 1 VLTVIAQQTSSQGLS 16
DB 537 LLAHLALQLTQGLVS 552

RESULT 13
US-09-252-991A-18710
; Sequence 18710, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 18710
; LENGTH: 438
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-18710

Query Match 45.8%; Score 33; DB 4; Length 438;
Best Local Similarity 46.7%; Pred. No. 3.5e+02;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 2 LTVIAQQTSSQGLLS 16
DB 112 VTAVAPFTQMGMLS 126

RESULT 14
US-09-252-991A-17641
; Sequence 17641, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 17641
; LENGTH: 453
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17641

Query Match 45.8%; Score 33; DB 4; Length 453;
Best Local Similarity 46.2%; Pred. No. 3.7e+02;
Matches 6; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 VLTVIAQQTSSQGL 13
DB 117 VAVVVAEQVAAQG 129

RESULT 15
US-08-870-518-4
; Sequence 4, Application US/08870518
; Patent No. 5925566
; GENERAL INFORMATION:
; APPLICANT: Davis, Roger J.
; APPLICANT: Galcheva-Gargova, Zoya
; TITLE OF INVENTION: NON-ACTIVATED RECEPTOR COMPLEX
; TITLE OF INVENTION: PROTEINS AND USES THEREOF
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMEUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/870,518
; FILING DATE: 06-JUN-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/019,219
; FILING DATE: 06-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Fasse, Peter J.

```

REGISTRATION NUMBER: 32,983
REFERENCE/DOCKET NUMBER: 04020/102001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 459 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-870-518-4

Query Match 45.8%; Score 33; DB 2; Length 459;
Best Local Similarity 58.3%; Pred. No. 3.7e+02;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

2y 5 IAQOTTSGLLS 16
Db 125 LGQLTVEGLLS 136

Search completed: December 3, 2003, 07:31:50
Job time : 1.62745 secs

; Sequence 27413, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR C
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 27413
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR22 105.0
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2
; OTHER INFORMATION: SWISSPROT HIT: Q9VHB6, EVALUATE 9.00e+00
US-10-029-386-27413

Query Match 48.6%; Score 35; DB 12; Length 77;
Best Local Similarity 40.0%; Pred. No. 60;
Matches 6; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 1 VLTVIAQQTTSQGLL 15
Db 59 LLLVDDQATKRGIL 73

RESULT 3
US-09-881-752A-340
; Sequence 340, Application US/09881752A
; Patent No. US20020115078A1
; GENERAL INFORMATION:
; APPLICANT: Kleanthous, Harold
; APPLICANT: Al-Garawi, Amal
; APPLICANT: Miller, Charles
; APPLICANT: Tomb, Jean-Francois
; APPLICANT: Oomen, Raymond P.
; TITLE OF INVENTION: Identification of Polynucleotides
; TITLE OF INVENTION: Encoding No. US20020115078A1el Helicobacter Polypeptides in the
; FILE REFERENCE: 06132/041002
; CURRENT APPLICATION NUMBER: US/09/881,752A
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 08/833,457
; PRIOR FILING DATE: 1997-04-01
; NUMBER OF SEQ ID NOS: 370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 340
; LENGTH: 236
; TYPE: PRT
; ORGANISM: Helicobacter pylori
US-09-881-752A-340

Query Match 48.6%; Score 35; DB 10; Length 236;
Best Local Similarity 50.0%; Pred. No. 2.2e+02;
Matches 8; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy 1 VLTVIAQQTTSQGLS 16
Db 173 ILTPVAQNVAQGLS 188

RESULT 4
US-09-815-242-4880
; Sequence 4880, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; TITLE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4880
; LENGTH: 254
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-815-242-4880

Query Match 48.6%; Score 35; DB 9; Length 254;
Best Local Similarity 43.8%; Pred. No. 2.4e+02;
Matches 7; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 1 VLTVIAQQTTSQGLS 16
Db 80 VLNSLSLPTSQGILA 95

RESULT 5
US-09-815-242-10486
; Sequence 10486, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; TITLE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727

; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: 60/242,578
 ; PRIOR FILING DATE: 2000-10-23
 ; PRIOR APPLICATION NUMBER: 60/253,625
 ; PRIOR FILING DATE: 2000-11-27
 ; PRIOR APPLICATION NUMBER: 60/257,931
 ; PRIOR FILING DATE: 2000-12-22
 ; PRIOR APPLICATION NUMBER: 60/269,308
 ; PRIOR FILING DATE: 2001-02-16
 ; NUMBER OF SEQ ID NOS: 14110
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 10486
 ; LENGTH: 258
 ; TYPE: PRT
 ; ORGANISM: Enterococcus faecalis
 US-09-815-242-10486

Query Match 48.6%; Score 35; DB 9; Length 258;
 Best Local Similarity 43.8%; Pred. No. 2.4e+02;
 Matches 7; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 VLTVIAQQTTSQGLLS 16
 || : : : ||| : :
 Db 80 VLNSLSLEPTSQGILA 95

RESULT 6
 US-10-047-539-2
 ; Sequence 2, Application US/10047539
 ; Publication No. US20020177547A1
 ; GENERAL INFORMATION:
 ; APPLICANT: MOLLING, KARIN
 ; APPLICANT: PAVLOVIC, JOVAN
 ; APPLICANT: NAWRATH, MICHAEL
 ; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS FOR TREATING OR PREVENTING
 ; FILE REFERENCE: VOS-27
 ; CURRENT APPLICATION NUMBER: US/10/047,539
 ; CURRENT FILING DATE: 2002-01-15
 ; PRIOR APPLICATION NUMBER: EP 01 10 0914.9
 ; PRIOR FILING DATE: 2001-01-16
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 2
 ; LENGTH: 626
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 US-10-047-539-2

Query Match 48.6%; Score 35; DB 14; Length 626;
 Best Local Similarity 54.5%; Pred. No. 6.8e+02;
 Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

2Y 3 TVIAQQTTSQ 13
 : : : ||| : :
 Db 395 TVAQATTTEG 405

RESULT 7
 US-10-288-930-106
 ; Sequence 106, Application US/10288930
 ; Publication No. US20030138822A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Glenn, Matthew
 ; APPLICANT: Lubbers, Mark W
 ; APPLICANT: Dekker, James
 ; TITLE OF INVENTION: Polynucleotides and polypeptides, materials incorporating
 ; FILE REFERENCE: 11000.1048ulc1
 ; CURRENT APPLICATION NUMBER: US/10/288,930
 ; CURRENT FILING DATE: 2002-11-05
 ; PRIOR APPLICATION NUMBER: 09/724,623
 ; PRIOR FILING DATE: 2000-11-28

; PRIOR APPLICATION NUMBER: 60/148,801
 ; PRIOR FILING DATE: 1999-12-02
 ; NUMBER OF SEQ ID NOS: 124
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 106
 ; LENGTH: 418
 ; TYPE: PRT
 ; ORGANISM: Lactobacillus rhamnosus
 US-10-288-930-106

Query Match 47.9%; Score 34.5; DB 12; Length 418;
 Best Local Similarity 52.9%; Pred. No. 5.3e+02;
 Matches 9; Conservative 4; Mismatches 1; Indels 3; Gaps 1;

QY 3 TVIAQQTTSQ--GLLS 16
 || : : : ||| : :
 Db 20 TVLSQUTTAQKNAGLLA 36

RESULT 8
 US-10-310-002-3
 ; Sequence 3, Application US/10310002
 ; Publication No. US20030125296A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Emory University
 ; TITLE OF INVENTION: Insulin-Responsive Sequence DNA Binding Protein-1 and Methods to
 ; FILE REFERENCE: E056 1010
 ; CURRENT APPLICATION NUMBER: US/10/310,002
 ; CURRENT FILING DATE: 2002-12-04
 ; NUMBER OF SEQ ID NOS: 63
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 3
 ; LENGTH: 121
 ; TYPE: PRT
 ; ORGANISM: Rattus norvegicus
 US-10-310-002-3

Query Match 47.2%; Score 34; DB 15; Length 121;
 Best Local Similarity 57.1%; Pred. No. 1.5e+02;
 Matches 8; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 2 LTVIAQQTTSQGLL 15
 || : : : ||| : :
 Db 92 LSVTAVCTEQGQL 105

RESULT 9
 US-09-738-626-5842
 ; Sequence 5842, Application US/09738626
 ; Publication No. US20020197605A1
 ; GENERAL INFORMATION:
 ; APPLICANT: NAKAGAWA, SATOSHI
 ; APPLICANT: MIZOGUCHI, HIROSHI
 ; APPLICANT: ANDO, SEIKO
 ; APPLICANT: HAYASHI, MIKIRO
 ; APPLICANT: OCHIAI, KEIKO
 ; APPLICANT: YOKOI, HARUHIKO
 ; APPLICANT: TATEISHI, NAKO
 ; APPLICANT: SENOH, AKIHIRO
 ; APPLICANT: IKEDA, MASATO
 ; APPLICANT: OZAKI, AKIO
 ; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
 ; FILE REFERENCE: 249-125
 ; CURRENT APPLICATION NUMBER: US/09/738,626
 ; CURRENT FILING DATE: 2000-12-18
 ; PRIOR APPLICATION NUMBER: JP 99/377484
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: JP 00/159162
 ; PRIOR FILING DATE: 2000-04-07
 ; PRIOR APPLICATION NUMBER: JP 00/280588
 ; PRIOR FILING DATE: 2000-08-03
 ; NUMBER OF SEQ ID NOS: 7059

RESULT 14
US-09-925-300-1641

```
; Sequence 1641, Application US/09925300
; Patent No. US2002015181A1
; GENERAL INFORMATION:
; APPLICANT: Craig Ruben,
; APPLICANT: Steve Ruben,
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101
; CURRENT APPLICATION NUMBER: US/09/925,300
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05988
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1641
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
JS-09-925-300-1641
```

```
Query Match 45.8%; Score 33; DB 10; Length 81;
Best Local Similarity 43.8%; Pred. No. 1.5e+02;
Matches 7; Conservative 4; Mismatches 5; Indels 0; Gaps 0;
```

```
2y 1 VLTVIAQQTTSQGLLS 16
   | : | : | : | : |
>b 63 VMLVLLQQSKSGFRS 78
```

RESULT 15

```
JS-10-156-761-12525
; Sequence 12525, Application US/10156761
; Publication No. US20030119019A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 12525
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
JS-10-156-761-12525
```

```
Query Match 45.8%; Score 33; DB 15; Length 102;
Best Local Similarity 60.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
```

```
2y 6 AQQTTSQGLL 15
   | : | : | : |
>b 24 AEQTTSAGLV 33
```

```
Search completed: December 3, 2003, 07:30:23
Job time : 10.6248 secs
```